

**CHAPTER**

**31**

**INDICATING/  
RECORDING  
SYSTEMS**



**777-200/300  
FAULT ISOLATION MANUAL**

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| 186                       | Sep 05/2016 |     | 205                       | Sep 05/2016 |     | 241                | Sep 05/2016 |     |
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| 261                 | Sep 05/2016 |            | 297                 | Sep 05/2016 |            | 209                 | Jan 05/2014 |            |
| 262                 | Sep 05/2016 |            | 298                 | Sep 05/2016 |            | 210                 | Jan 05/2014 |            |
| 263                 | Sep 05/2016 |            | 298.1               | Sep 05/2016 |            | 211                 | Jan 05/2014 |            |
| 264                 | Sep 05/2016 |            | 298.2               | Sep 05/2016 |            | 212                 | Jan 05/2014 |            |
| 265                 | Sep 05/2016 |            | 298.3               | Sep 05/2016 |            | 213                 | Jan 05/2014 |            |
| 266                 | Sep 05/2016 |            | 298.4               | Sep 05/2016 |            | 214                 | Jan 05/2014 |            |
| 267                 | Sep 05/2016 |            | 298.5               | Sep 05/2016 |            | 215                 | Jan 05/2014 |            |
| 268                 | Sep 05/2016 |            | 298.6               | Sep 05/2016 |            | 216                 | Jan 05/2014 |            |
| 269                 | Sep 05/2016 |            | 298.7               | Sep 05/2016 |            | 217                 | Jan 05/2014 |            |
| 270                 | Sep 05/2016 |            | 298.8               | Sep 05/2016 |            | 218                 | Sep 05/2016 |            |
| 271                 | Sep 05/2016 |            | 298.9               | Sep 05/2016 |            | 219                 | Sep 05/2016 |            |
| 272                 | Sep 05/2016 |            | 298.10              | Sep 05/2016 |            | 220                 | Sep 05/2016 |            |
| 273                 | Sep 05/2016 |            | 298.11              | Sep 05/2016 |            | 221                 | Sep 05/2016 |            |
| 274                 | Sep 05/2016 |            | 298.12              | Sep 05/2016 |            | 222                 | Sep 05/2016 |            |
| 275                 | Sep 05/2016 |            | 298.13              | Sep 05/2016 |            | 223                 | Sep 05/2016 |            |
| 276                 | Sep 05/2016 |            | 298.14              | Sep 05/2016 |            | 224                 | Sep 05/2016 |            |
| 277                 | Sep 05/2016 |            | 298.15              | Sep 05/2016 |            | 225                 | Sep 05/2016 |            |
| 278                 | Sep 05/2016 |            | 298.16              | Sep 05/2016 |            | 226                 | Sep 05/2016 |            |
| 279                 | Sep 05/2016 |            | 298.17              | Sep 05/2016 |            | 227                 | Sep 05/2016 |            |

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| 31-31 TASKS (cont) |             |     | 31-35 TASKS (cont) |             |     | 31-41 TASKS (cont) |             |     |
| 228                | Sep 05/2016 |     | R 222              | Sep 05/2017 |     | 227                | Sep 05/2016 |     |
| 229                | Sep 05/2016 |     | R 223              | Sep 05/2017 |     | 228                | Sep 05/2016 |     |
| 230                | Sep 05/2016 |     | R 224              | Sep 05/2017 |     | 229                | Sep 05/2016 |     |
| 31-33 TASKS        |             |     | O 225              | Sep 05/2017 |     | 230                | Sep 05/2016 |     |
| 201                | Jan 05/2013 |     | R 226              | Sep 05/2017 |     | 231                | Sep 05/2016 |     |
| 202                | Sep 05/2016 |     | R 227              | Sep 05/2017 |     | 232                | Sep 05/2016 |     |
| 203                | Sep 05/2016 |     | O 228              | Sep 05/2017 |     | 233                | Sep 05/2016 |     |
| 204                | Sep 05/2016 |     | O 229              | Sep 05/2017 |     | 234                | Sep 05/2016 |     |
| 205                | Jan 05/2013 |     | 230                | BLANK       |     | 235                | Sep 05/2016 |     |
| 206                | May 05/2016 |     | 31-41 TASKS        |             |     | 236                | Sep 05/2016 |     |
| 207                | May 05/2017 |     | 201                | Jan 05/2013 |     | 237                | Sep 05/2016 |     |
| 208                | May 05/2017 |     | 202                | Jan 05/2014 |     | 238                | Sep 05/2016 |     |
| 209                | May 05/2017 |     | 203                | Jan 05/2014 |     | 239                | Sep 05/2016 |     |
| 210                | BLANK       |     | 204                | Jan 05/2014 |     | 240                | Sep 05/2016 |     |
| 31-35 TASKS        |             |     | 205                | Jan 05/2014 |     | 241                | Sep 05/2016 |     |
| 201                | Sep 05/2016 |     | 206                | Jan 05/2014 |     | 242                | Sep 05/2016 |     |
| 202                | Jan 05/2014 |     | 207                | Jan 05/2014 |     | 243                | Sep 05/2016 |     |
| 203                | Jan 05/2014 |     | 208                | Jan 05/2014 |     | 244                | Sep 05/2016 |     |
| 204                | May 05/2017 |     | 209                | Jan 05/2014 |     | 245                | Sep 05/2016 |     |
| 205                | May 05/2017 |     | 210                | Jan 05/2014 |     | 246                | Sep 05/2016 |     |
| R 206              | Sep 05/2017 |     | 211                | Jan 05/2014 |     | 247                | Sep 05/2016 |     |
| 207                | Sep 05/2016 |     | 212                | Jan 05/2014 |     | 248                | Sep 05/2016 |     |
| 208                | Sep 05/2016 |     | 213                | Jan 05/2014 |     | 249                | Sep 05/2016 |     |
| 209                | Sep 05/2016 |     | 214                | Jan 05/2014 |     | 250                | Sep 05/2016 |     |
| 210                | Sep 05/2016 |     | 215                | Sep 05/2016 |     | 251                | Sep 05/2016 |     |
| 211                | Sep 05/2016 |     | 216                | Sep 05/2016 |     | 252                | Sep 05/2016 |     |
| 212                | Sep 05/2016 |     | 217                | Sep 05/2016 |     | 253                | Sep 05/2016 |     |
| 213                | Sep 05/2016 |     | 218                | Sep 05/2016 |     | 254                | Sep 05/2016 |     |
| 214                | Sep 05/2016 |     | 219                | Sep 05/2016 |     | 255                | Sep 05/2016 |     |
| 215                | Sep 05/2016 |     | 220                | Sep 05/2016 |     | 256                | Sep 05/2016 |     |
| 216                | Sep 05/2016 |     | 221                | Sep 05/2016 |     | 257                | Sep 05/2016 |     |
| 217                | Sep 05/2016 |     | 222                | Sep 05/2016 |     | 258                | Sep 05/2016 |     |
| 218                | Sep 05/2016 |     | 223                | Sep 05/2016 |     | 259                | Sep 05/2016 |     |
| R 219              | Sep 05/2017 |     | 224                | Sep 05/2016 |     | 260                | Sep 05/2016 |     |
| R 220              | Sep 05/2017 |     | 225                | Sep 05/2016 |     | 261                | Sep 05/2016 |     |
| O 221              | Sep 05/2017 |     | 226                | Sep 05/2016 |     | 262                | Sep 05/2016 |     |

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| 31-41 TASKS (cont) |             |     | 31-41 TASKS (cont) |             |     | 31-41 TASKS (cont) |             |     |
| 263                | Sep 05/2016 |     | 298.1              | Sep 05/2016 |     | 298.37             | Sep 05/2016 |     |
| 264                | Sep 05/2016 |     | 298.2              | Sep 05/2016 |     | 298.38             | Sep 05/2016 |     |
| 265                | Sep 05/2016 |     | 298.3              | Sep 05/2016 |     | 298.39             | Sep 05/2016 |     |
| 266                | Sep 05/2016 |     | 298.4              | Sep 05/2016 |     | 298.40             | Sep 05/2016 |     |
| 267                | Sep 05/2016 |     | 298.5              | Sep 05/2016 |     | 298.41             | Sep 05/2016 |     |
| 268                | Sep 05/2016 |     | 298.6              | Sep 05/2016 |     | 298.42             | Sep 05/2016 |     |
| 269                | Sep 05/2016 |     | 298.7              | Sep 05/2016 |     | 298.43             | Sep 05/2016 |     |
| 270                | Sep 05/2016 |     | 298.8              | Sep 05/2016 |     | 298.44             | Sep 05/2016 |     |
| 271                | Sep 05/2016 |     | 298.9              | Sep 05/2016 |     | 298.45             | Sep 05/2016 |     |
| 272                | Sep 05/2016 |     | 298.10             | Sep 05/2016 |     | 298.46             | Sep 05/2016 |     |
| 273                | Sep 05/2016 |     | 298.11             | Sep 05/2016 |     | 298.47             | Sep 05/2016 |     |
| 274                | Sep 05/2016 |     | 298.12             | Sep 05/2016 |     | 298.48             | Sep 05/2016 |     |
| 275                | Sep 05/2016 |     | 298.13             | Sep 05/2016 |     | 298.49             | Sep 05/2016 |     |
| 276                | Sep 05/2016 |     | 298.14             | Sep 05/2016 |     | 298.50             | Sep 05/2016 |     |
| 277                | Sep 05/2016 |     | 298.15             | Sep 05/2016 |     | 298.51             | Sep 05/2016 |     |
| 278                | Sep 05/2016 |     | 298.16             | Sep 05/2016 |     | 298.52             | Sep 05/2016 |     |
| 279                | Sep 05/2016 |     | 298.17             | Sep 05/2016 |     | 298.53             | Sep 05/2016 |     |
| 280                | Sep 05/2016 |     | 298.18             | Sep 05/2016 |     | 298.54             | Sep 05/2016 |     |
| 281                | Sep 05/2016 |     | 298.19             | Sep 05/2016 |     | 298.55             | Sep 05/2016 |     |
| 282                | Sep 05/2016 |     | 298.20             | Sep 05/2016 |     | 298.56             | Sep 05/2016 |     |
| 283                | Sep 05/2016 |     | 298.21             | Sep 05/2016 |     | 298.57             | Sep 05/2016 |     |
| 284                | Sep 05/2016 |     | 298.22             | Sep 05/2016 |     | 298.58             | Sep 05/2016 |     |
| 285                | Sep 05/2016 |     | 298.23             | Sep 05/2016 |     | 298.59             | Sep 05/2016 |     |
| 286                | Sep 05/2016 |     | 298.24             | Sep 05/2016 |     | 298.60             | Sep 05/2016 |     |
| 287                | Sep 05/2016 |     | 298.25             | Sep 05/2016 |     | 298.61             | Sep 05/2016 |     |
| 288                | Sep 05/2016 |     | 298.26             | Sep 05/2016 |     | 298.62             | Sep 05/2016 |     |
| 289                | Sep 05/2016 |     | 298.27             | Sep 05/2016 |     | 298.63             | Sep 05/2016 |     |
| 290                | Sep 05/2016 |     | 298.28             | Sep 05/2016 |     | 298.64             | Sep 05/2016 |     |
| 291                | Sep 05/2016 |     | 298.29             | Sep 05/2016 |     | 298.65             | Sep 05/2016 |     |
| 292                | Sep 05/2016 |     | 298.30             | Sep 05/2016 |     | 298.66             | Sep 05/2016 |     |
| 293                | Sep 05/2016 |     | 298.31             | Sep 05/2016 |     | 298.67             | Sep 05/2016 |     |
| 294                | Sep 05/2016 |     | 298.32             | Sep 05/2016 |     | 298.68             | Sep 05/2016 |     |
| 295                | Sep 05/2016 |     | 298.33             | Sep 05/2016 |     | 298.69             | Sep 05/2016 |     |
| 296                | Sep 05/2016 |     | 298.34             | Sep 05/2016 |     | 298.70             | Sep 05/2016 |     |
| 297                | Sep 05/2016 |     | 298.35             | Sep 05/2016 |     | 298.71             | Sep 05/2016 |     |
| 298                | Sep 05/2016 |     | 298.36             | Sep 05/2016 |     | 298.72             | Sep 05/2016 |     |

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| 31-41 TASKS (cont)  |             |            | 31-42 TASKS (cont)  |             |            | 31-42 TASKS (cont)  |             |            |
| 298.73              | Sep 05/2016 |            | 206                 | May 05/2013 |            | 242                 | Sep 05/2016 |            |
| 298.74              | Sep 05/2016 |            | 207                 | May 05/2013 |            | 243                 | Sep 05/2016 |            |
| 298.75              | Sep 05/2016 |            | 208                 | Sep 05/2016 |            | 244                 | Sep 05/2016 |            |
| 298.76              | Sep 05/2016 |            | 209                 | Sep 05/2016 |            | 245                 | Sep 05/2016 |            |
| 298.77              | Sep 05/2016 |            | 210                 | Sep 05/2016 |            | 246                 | Sep 05/2016 |            |
| 298.78              | Sep 05/2016 |            | 211                 | Sep 05/2016 |            | 247                 | Sep 05/2016 |            |
| 298.79              | Sep 05/2016 |            | 212                 | Sep 05/2016 |            | 248                 | Sep 05/2016 |            |
| 298.80              | Sep 05/2016 |            | 213                 | Sep 05/2016 |            | 249                 | Sep 05/2016 |            |
| 298.81              | Sep 05/2016 |            | 214                 | Sep 05/2016 |            | 250                 | Sep 05/2016 |            |
| 298.82              | Sep 05/2016 |            | 215                 | Sep 05/2016 |            | 251                 | Sep 05/2016 |            |
| 298.83              | Sep 05/2016 |            | 216                 | Sep 05/2016 |            | 252                 | Sep 05/2016 |            |
| 298.84              | Sep 05/2016 |            | 217                 | Jan 05/2013 |            | 253                 | Sep 05/2016 |            |
| 298.85              | Sep 05/2016 |            | 218                 | Jan 05/2013 |            | 254                 | Sep 05/2016 |            |
| 298.86              | Sep 05/2016 |            | 219                 | Jan 05/2013 |            | 255                 | Sep 05/2016 |            |
| 298.87              | Sep 05/2016 |            | 220                 | Jan 05/2013 |            | 256                 | Sep 05/2016 |            |
| 298.88              | Sep 05/2016 |            | 221                 | Jan 05/2013 |            | 257                 | Sep 05/2016 |            |
| 298.89              | Sep 05/2016 |            | 222                 | Jan 05/2013 |            | 258                 | Sep 05/2016 |            |
| 298.90              | Sep 05/2016 |            | 223                 | Sep 05/2016 |            | 259                 | Sep 05/2016 |            |
| 298.91              | Sep 05/2016 |            | 224                 | Sep 05/2016 |            | 260                 | Sep 05/2016 |            |
| 298.92              | Sep 05/2016 |            | 225                 | Jan 05/2013 |            | 261                 | Sep 05/2016 |            |
| 298.93              | Sep 05/2016 |            | 226                 | Sep 05/2016 |            | 262                 | Sep 05/2016 |            |
| 298.94              | Sep 05/2016 |            | 227                 | Sep 05/2016 |            | 263                 | Sep 05/2016 |            |
| 298.95              | Sep 05/2016 |            | 228                 | Sep 05/2016 |            | 264                 | Sep 05/2016 |            |
| 298.96              | Sep 05/2016 |            | 229                 | Sep 05/2016 |            | 265                 | Sep 05/2016 |            |
| 298.97              | Sep 05/2016 |            | 230                 | Sep 05/2016 |            | 266                 | Sep 05/2016 |            |
| 298.98              | Sep 05/2016 |            | 231                 | Sep 05/2016 |            | 267                 | Sep 05/2016 |            |
| 298.99              | Sep 05/2016 |            | 232                 | Sep 05/2016 |            | 268                 | Sep 05/2016 |            |
| 298.100             | Sep 05/2016 |            | 233                 | Sep 05/2016 |            | 269                 | Sep 05/2016 |            |
| 298.101             | Sep 05/2016 |            | 234                 | Sep 05/2016 |            | 270                 | Sep 05/2016 |            |
| 298.102             | Sep 05/2016 |            | 235                 | Sep 05/2016 |            | 271                 | Sep 05/2016 |            |
| 31-42 TASKS         |             |            | 236                 | Sep 05/2016 |            | 272                 | Sep 05/2016 |            |
| 201                 | Jan 05/2013 |            | 237                 | Sep 05/2016 |            | 273                 | Sep 05/2016 |            |
| 202                 | Jan 05/2013 |            | 238                 | Sep 05/2016 |            | 274                 | Sep 05/2016 |            |
| 203                 | Jan 05/2013 |            | 239                 | Sep 05/2016 |            | 275                 | Sep 05/2016 |            |
| 204                 | Jan 05/2013 |            | 240                 | Sep 05/2016 |            | 276                 | Sep 05/2016 |            |
| 205                 | Jan 05/2013 |            | 241                 | Sep 05/2016 |            | 277                 | Sep 05/2016 |            |

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| 31-42 TASKS (cont) |             |     | 31-42 TASKS (cont) |             |     | 31-42 TASKS (cont) |             |     |
| 278                | Sep 05/2016 |     | 298.16             | Sep 05/2016 |     | 298.52             | May 05/2017 |     |
| 279                | Sep 05/2016 |     | 298.17             | Sep 05/2016 |     | 298.53             | May 05/2017 |     |
| 280                | Sep 05/2016 |     | 298.18             | Sep 05/2016 |     | 298.54             | May 05/2017 |     |
| 281                | Sep 05/2016 |     | 298.19             | Sep 05/2016 |     | 298.55             | May 05/2017 |     |
| 282                | Sep 05/2016 |     | 298.20             | Sep 05/2016 |     | 298.56             | May 05/2017 |     |
| 283                | Sep 05/2016 |     | 298.21             | Sep 05/2016 |     | 298.57             | May 05/2017 |     |
| 284                | Sep 05/2016 |     | 298.22             | Sep 05/2016 |     | 298.58             | May 05/2017 |     |
| 285                | Sep 05/2016 |     | 298.23             | Sep 05/2016 |     | 298.59             | May 05/2017 |     |
| 286                | Sep 05/2016 |     | 298.24             | Sep 05/2016 |     | 298.60             | May 05/2017 |     |
| 287                | Sep 05/2016 |     | 298.25             | Sep 05/2016 |     | 298.61             | May 05/2017 |     |
| 288                | Sep 05/2016 |     | 298.26             | Sep 05/2016 |     | 298.62             | May 05/2017 |     |
| 289                | Sep 05/2016 |     | 298.27             | Sep 05/2016 |     | 298.63             | May 05/2017 |     |
| 290                | Sep 05/2016 |     | 298.28             | Sep 05/2016 |     | 298.64             | May 05/2017 |     |
| 291                | Sep 05/2016 |     | 298.29             | Sep 05/2016 |     | 298.65             | May 05/2017 |     |
| 292                | Sep 05/2016 |     | 298.30             | Sep 05/2016 |     | 298.66             | May 05/2017 |     |
| 293                | Sep 05/2016 |     | 298.31             | Sep 05/2016 |     | R 298.67           | Sep 05/2017 |     |
| 294                | Sep 05/2016 |     | 298.32             | Sep 05/2016 |     | R 298.68           | Sep 05/2017 |     |
| 295                | Sep 05/2016 |     | 298.33             | Sep 05/2016 |     | O 298.69           | Sep 05/2017 |     |
| 296                | Sep 05/2016 |     | 298.34             | Sep 05/2016 |     | R 298.70           | Sep 05/2017 |     |
| 297                | Sep 05/2016 |     | 298.35             | Sep 05/2016 |     | O 298.71           | Sep 05/2017 |     |
| 298                | Sep 05/2016 |     | 298.36             | Sep 05/2016 |     | R 298.72           | Sep 05/2017 |     |
| 298.1              | Sep 05/2016 |     | 298.37             | Sep 05/2016 |     | R 298.73           | Sep 05/2017 |     |
| 298.2              | Sep 05/2016 |     | 298.38             | Sep 05/2016 |     | R 298.74           | Sep 05/2017 |     |
| 298.3              | Sep 05/2016 |     | 298.39             | Sep 05/2016 |     | O 298.75           | Sep 05/2017 |     |
| 298.4              | Sep 05/2016 |     | 298.40             | Sep 05/2016 |     | O 298.76           | BLANK       |     |
| 298.5              | Sep 05/2016 |     | 298.41             | Sep 05/2016 |     | 31-43 TASKS        |             |     |
| 298.6              | Sep 05/2016 |     | 298.42             | Sep 05/2016 |     | 201                | Jan 05/2013 |     |
| 298.7              | Sep 05/2016 |     | 298.43             | Sep 05/2016 |     | 202                | Jan 05/2013 |     |
| 298.8              | Sep 05/2016 |     | 298.44             | Sep 05/2016 |     | 203                | May 05/2013 |     |
| 298.9              | Sep 05/2016 |     | 298.45             | Sep 05/2016 |     | 204                | May 05/2013 |     |
| 298.10             | Sep 05/2016 |     | 298.46             | Sep 05/2016 |     | 205                | Sep 05/2016 |     |
| 298.11             | Sep 05/2016 |     | 298.47             | Sep 05/2016 |     | 206                | Sep 05/2016 |     |
| 298.12             | Sep 05/2016 |     | 298.48             | Sep 05/2016 |     | 207                | Sep 05/2016 |     |
| 298.13             | Sep 05/2016 |     | 298.49             | Sep 05/2016 |     | 208                | Sep 05/2016 |     |
| 298.14             | Sep 05/2016 |     | 298.50             | Sep 05/2016 |     | 209                | Sep 05/2016 |     |
| 298.15             | Sep 05/2016 |     | 298.51             | May 05/2017 |     | 210                | Sep 05/2016 |     |

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| 31-43 TASKS (cont) |             |     | 31-43 TASKS (cont) |             |     | 31-43 TASKS (cont) |             |     |
| 211                | Sep 05/2016 |     | 247                | Sep 05/2016 |     | 283                | Sep 05/2016 |     |
| 212                | Sep 05/2016 |     | 248                | Sep 05/2016 |     | 284                | Sep 05/2016 |     |
| 213                | Sep 05/2016 |     | 249                | Sep 05/2016 |     | 285                | Sep 05/2016 |     |
| 214                | Sep 05/2016 |     | 250                | Sep 05/2016 |     | 286                | Sep 05/2016 |     |
| 215                | Sep 05/2016 |     | 251                | Sep 05/2016 |     | 287                | Sep 05/2016 |     |
| 216                | Sep 05/2016 |     | 252                | Sep 05/2016 |     | 288                | Sep 05/2016 |     |
| 217                | Sep 05/2016 |     | 253                | Sep 05/2016 |     | 289                | Sep 05/2016 |     |
| 218                | Sep 05/2016 |     | 254                | Sep 05/2016 |     | 290                | Sep 05/2016 |     |
| 219                | Sep 05/2016 |     | 255                | Sep 05/2016 |     | 291                | Sep 05/2016 |     |
| 220                | Sep 05/2016 |     | 256                | Sep 05/2016 |     | 292                | Sep 05/2016 |     |
| 221                | Sep 05/2016 |     | 257                | Sep 05/2016 |     | 293                | Sep 05/2016 |     |
| 222                | Sep 05/2016 |     | 258                | Sep 05/2016 |     | 294                | Sep 05/2016 |     |
| 223                | Sep 05/2016 |     | 259                | Sep 05/2016 |     | 295                | Sep 05/2016 |     |
| 224                | Sep 05/2016 |     | 260                | Sep 05/2016 |     | 296                | Sep 05/2016 |     |
| 225                | Sep 05/2016 |     | 261                | Sep 05/2016 |     | 297                | Sep 05/2016 |     |
| 226                | Sep 05/2016 |     | 262                | Sep 05/2016 |     | 298                | Sep 05/2016 |     |
| 227                | Sep 05/2016 |     | 263                | Sep 05/2016 |     | 298.1              | Sep 05/2016 |     |
| 228                | Sep 05/2016 |     | 264                | Sep 05/2016 |     | 298.2              | Sep 05/2016 |     |
| 229                | Sep 05/2016 |     | 265                | Sep 05/2016 |     | 298.3              | Sep 05/2016 |     |
| 230                | Sep 05/2016 |     | 266                | Sep 05/2016 |     | 298.4              | Sep 05/2016 |     |
| 231                | Sep 05/2016 |     | 267                | Sep 05/2016 |     | 298.5              | Sep 05/2016 |     |
| 232                | Sep 05/2016 |     | 268                | Sep 05/2016 |     | 298.6              | Sep 05/2016 |     |
| 233                | Sep 05/2016 |     | 269                | Sep 05/2016 |     | 298.7              | Sep 05/2016 |     |
| 234                | Sep 05/2016 |     | 270                | Sep 05/2016 |     | 298.8              | Sep 05/2016 |     |
| 235                | Sep 05/2016 |     | 271                | Sep 05/2016 |     | 298.9              | Sep 05/2016 |     |
| 236                | Sep 05/2016 |     | 272                | Sep 05/2016 |     | 298.10             | Sep 05/2016 |     |
| 237                | Sep 05/2016 |     | 273                | Sep 05/2016 |     | 298.11             | Sep 05/2016 |     |
| 238                | Sep 05/2016 |     | 274                | Sep 05/2016 |     | 298.12             | Sep 05/2016 |     |
| 239                | Sep 05/2016 |     | 275                | Sep 05/2016 |     | 298.13             | Sep 05/2016 |     |
| 240                | Sep 05/2016 |     | 276                | Sep 05/2016 |     | 298.14             | May 05/2017 |     |
| 241                | Sep 05/2016 |     | 277                | Sep 05/2016 |     | 298.15             | May 05/2017 |     |
| 242                | Sep 05/2016 |     | 278                | Sep 05/2016 |     | 298.16             | May 05/2017 |     |
| 243                | Sep 05/2016 |     | 279                | Sep 05/2016 |     | 298.17             | May 05/2017 |     |
| 244                | Sep 05/2016 |     | 280                | Sep 05/2016 |     | 298.18             | May 05/2017 |     |
| 245                | Sep 05/2016 |     | 281                | Sep 05/2016 |     | 298.19             | May 05/2017 |     |
| 246                | Sep 05/2016 |     | 282                | Sep 05/2016 |     | 298.20             | May 05/2017 |     |

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| 298.21             | May 05/2017 |     | 298.57             | May 05/2017 |     | O 298.93           | Sep 05/2017 |     |
| 298.22             | May 05/2017 |     | 298.58             | May 05/2017 |     | O 298.94           | Sep 05/2017 |     |
| 298.23             | May 05/2017 |     | 298.59             | May 05/2017 |     | 298.95             | May 05/2017 |     |
| 298.24             | May 05/2017 |     | 298.60             | May 05/2017 |     | 298.96             | May 05/2017 |     |
| 298.25             | May 05/2017 |     | 298.61             | May 05/2017 |     | 298.97             | May 05/2017 |     |
| 298.26             | May 05/2017 |     | 298.62             | May 05/2017 |     | 298.98             | May 05/2017 |     |
| 298.27             | May 05/2017 |     | 298.63             | May 05/2017 |     | 298.99             | May 05/2017 |     |
| 298.28             | May 05/2017 |     | 298.64             | May 05/2017 |     | 298.100            | May 05/2017 |     |
| 298.29             | May 05/2017 |     | 298.65             | May 05/2017 |     | 298.101            | May 05/2017 |     |
| 298.30             | May 05/2017 |     | 298.66             | May 05/2017 |     | 298.102            | May 05/2017 |     |
| 298.31             | May 05/2017 |     | 298.67             | May 05/2017 |     | 31-44 TASKS        |             |     |
| 298.32             | May 05/2017 |     | 298.68             | May 05/2017 |     | 201                | Jan 05/2014 |     |
| 298.33             | May 05/2017 |     | 298.69             | May 05/2017 |     | 202                | Jan 05/2014 |     |
| 298.34             | May 05/2017 |     | 298.70             | May 05/2017 |     | 203                | Jan 05/2014 |     |
| 298.35             | May 05/2017 |     | 298.71             | May 05/2017 |     | 204                | Jan 05/2014 |     |
| 298.36             | May 05/2017 |     | 298.72             | May 05/2017 |     | 205                | Jan 05/2014 |     |
| 298.37             | May 05/2017 |     | 298.73             | May 05/2017 |     | 206                | Jan 05/2014 |     |
| 298.38             | May 05/2017 |     | 298.74             | May 05/2017 |     | 207                | Jan 05/2014 |     |
| 298.39             | May 05/2017 |     | 298.75             | May 05/2017 |     | R 208              | Sep 05/2017 |     |
| 298.40             | May 05/2017 |     | 298.76             | May 05/2017 |     | O 209              | Sep 05/2017 |     |
| 298.41             | May 05/2017 |     | 298.77             | May 05/2017 |     | O 210              | Sep 05/2017 |     |
| 298.42             | May 05/2017 |     | 298.78             | May 05/2017 |     | O 211              | Sep 05/2017 |     |
| 298.43             | May 05/2017 |     | 298.79             | May 05/2017 |     | O 212              | Sep 05/2017 |     |
| 298.44             | May 05/2017 |     | 298.80             | May 05/2017 |     | O 213              | Sep 05/2017 |     |
| 298.45             | May 05/2017 |     | 298.81             | May 05/2017 |     | O 214              | Sep 05/2017 |     |
| 298.46             | May 05/2017 |     | 298.82             | May 05/2017 |     | O 215              | Sep 05/2017 |     |
| 298.47             | May 05/2017 |     | 298.83             | May 05/2017 |     | 216                | Jan 05/2017 |     |
| 298.48             | May 05/2017 |     | 298.84             | May 05/2017 |     | 217                | Jan 05/2017 |     |
| 298.49             | May 05/2017 |     | 298.85             | May 05/2017 |     | 218                | Jan 05/2017 |     |
| 298.50             | May 05/2017 |     | 298.86             | May 05/2017 |     | 219                | Jan 05/2017 |     |
| 298.51             | May 05/2017 |     | 298.87             | May 05/2017 |     | 220                | Jan 05/2017 |     |
| 298.52             | May 05/2017 |     | 298.88             | May 05/2017 |     | R 221              | Sep 05/2017 |     |
| 298.53             | May 05/2017 |     | 298.89             | May 05/2017 |     | O 222              | Sep 05/2017 |     |
| 298.54             | May 05/2017 |     | 298.90             | May 05/2017 |     | O 223              | Sep 05/2017 |     |
| 298.55             | May 05/2017 |     | 298.91             | May 05/2017 |     | R 224              | Sep 05/2017 |     |
| 298.56             | May 05/2017 |     | 298.92             | May 05/2017 |     | O 225              | Sep 05/2017 |     |

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| 31-44 TASKS (cont) |             |     | 31-44 TASKS (cont) |             |     | 31-44 TASKS (cont) |             |     |
| O 226              | Sep 05/2017 |     | 262                | Sep 05/2016 |     | 298                | Sep 05/2016 |     |
| O 227              | Sep 05/2017 |     | 263                | Sep 05/2016 |     | 298.1              | Sep 05/2016 |     |
| O 228              | Sep 05/2017 |     | 264                | Sep 05/2016 |     | 298.2              | Sep 05/2016 |     |
| O 229              | Sep 05/2017 |     | 265                | Sep 05/2016 |     | 298.3              | Sep 05/2016 |     |
| O 230              | Sep 05/2017 |     | 266                | Sep 05/2016 |     | 298.4              | Sep 05/2016 |     |
| O 231              | Sep 05/2017 |     | 267                | Sep 05/2016 |     | 298.5              | Sep 05/2016 |     |
| O 232              | Sep 05/2017 |     | 268                | Sep 05/2016 |     | 298.6              | Sep 05/2016 |     |
| O 233              | Sep 05/2017 |     | 269                | Sep 05/2016 |     | 298.7              | Sep 05/2016 |     |
| O 234              | Sep 05/2017 |     | 270                | Sep 05/2016 |     | 298.8              | Sep 05/2016 |     |
| O 235              | Sep 05/2017 |     | 271                | Sep 05/2016 |     | 298.9              | Sep 05/2016 |     |
| O 236              | Sep 05/2017 |     | 272                | Sep 05/2016 |     | 298.10             | Sep 05/2016 |     |
| O 237              | Sep 05/2017 |     | 273                | Sep 05/2016 |     | 298.11             | Sep 05/2016 |     |
| O 238              | Sep 05/2017 |     | 274                | Sep 05/2016 |     | 298.12             | Sep 05/2016 |     |
| O 239              | Sep 05/2017 |     | 275                | Sep 05/2016 |     | 298.13             | Sep 05/2016 |     |
| O 240              | Sep 05/2017 |     | 276                | Sep 05/2016 |     | 298.14             | Sep 05/2016 |     |
| O 241              | Sep 05/2017 |     | 277                | Sep 05/2016 |     | 298.15             | Sep 05/2016 |     |
| O 242              | Sep 05/2017 |     | 278                | Sep 05/2016 |     | 298.16             | Sep 05/2016 |     |
| O 243              | Sep 05/2017 |     | 279                | Sep 05/2016 |     | 298.17             | Sep 05/2016 |     |
| O 244              | Sep 05/2017 |     | 280                | Sep 05/2016 |     | 298.18             | Sep 05/2016 |     |
| O 245              | Sep 05/2017 |     | 281                | Sep 05/2016 |     | 298.19             | Sep 05/2016 |     |
| O 246              | Sep 05/2017 |     | 282                | Sep 05/2016 |     | 298.20             | Sep 05/2016 |     |
| O 247              | Sep 05/2017 |     | 283                | Sep 05/2016 |     | 298.21             | Sep 05/2016 |     |
| O 248              | Sep 05/2017 |     | 284                | Sep 05/2016 |     | 298.22             | Sep 05/2016 |     |
| O 249              | Sep 05/2017 |     | 285                | Sep 05/2016 |     | 298.23             | Sep 05/2016 |     |
| O 250              | Sep 05/2017 |     | 286                | Sep 05/2016 |     | 298.24             | Sep 05/2016 |     |
| O 251              | Sep 05/2017 |     | 287                | Sep 05/2016 |     | 298.25             | Sep 05/2016 |     |
| O 252              | Sep 05/2017 |     | 288                | Sep 05/2016 |     | R 298.26           | Sep 05/2017 |     |
| O 253              | Sep 05/2017 |     | 289                | Sep 05/2016 |     | O 298.27           | Sep 05/2017 |     |
| O 254              | Sep 05/2017 |     | 290                | Sep 05/2016 |     | O 298.28           | Sep 05/2017 |     |
| O 255              | Sep 05/2017 |     | 291                | Sep 05/2016 |     | O 298.29           | Sep 05/2017 |     |
| R 256              | Sep 05/2017 |     | 292                | Sep 05/2016 |     | O 298.30           | Sep 05/2017 |     |
| O 257              | Sep 05/2017 |     | 293                | Sep 05/2016 |     | O 298.31           | Sep 05/2017 |     |
| O 258              | Sep 05/2017 |     | 294                | Sep 05/2016 |     | O 298.32           | Sep 05/2017 |     |
| R 259              | Sep 05/2017 |     | 295                | Sep 05/2016 |     | O 298.33           | Sep 05/2017 |     |
| O 260              | Sep 05/2017 |     | 296                | Sep 05/2016 |     | 298.34             | BLANK       |     |
| 261                | Sep 05/2016 |     | 297                | Sep 05/2016 |     |                    |             |     |

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| 31-45 TASKS  |             |     | 31-48 TASKS (cont) |             |     | 31-51 TASKS (cont) |             |     |
| 201          | Sep 05/2016 |     | 222                | Sep 05/2016 |     | 231                | Sep 05/2016 |     |
| 202          | Sep 05/2016 |     | 223                | Sep 05/2016 |     | 232                | Sep 05/2016 |     |
| 203          | Jan 05/2013 |     | 224                | Sep 05/2016 |     | 233                | Sep 05/2016 |     |
| 204          | Jan 05/2013 |     | 225                | Jan 05/2013 |     | 234                | Sep 05/2016 |     |
| 205          | Jan 05/2013 |     | 226                | BLANK       |     | 235                | Sep 05/2016 |     |
| 206          | Sep 05/2016 |     | 31-51 TASKS        |             |     | 236                | Sep 05/2016 |     |
| 207          | Sep 05/2016 |     | 201                | Sep 05/2016 |     | 237                | Sep 05/2016 |     |
| 208          | Sep 05/2016 |     | 202                | Sep 05/2016 |     | 238                | Sep 05/2016 |     |
| 209          | Sep 05/2016 |     | 203                | Sep 05/2016 |     | 239                | Sep 05/2016 |     |
| 210          | Sep 05/2016 |     | 204                | Sep 05/2016 |     | 240                | Sep 05/2016 |     |
| 211          | Sep 05/2016 |     | 205                | Sep 05/2016 |     | 241                | Sep 05/2016 |     |
| 212          | Sep 05/2016 |     | 206                | Sep 05/2016 |     | 242                | Sep 05/2016 |     |
| 213          | Sep 05/2016 |     | 207                | Sep 05/2016 |     | 243                | Sep 05/2016 |     |
| 214          | BLANK       |     | 208                | Sep 05/2016 |     | 244                | Sep 05/2016 |     |
| 31-48 TASKS  |             |     | 209                | Sep 05/2016 |     | 245                | Sep 05/2016 |     |
| 201          | Sep 05/2015 |     | 210                | Sep 05/2016 |     | 246                | Sep 05/2016 |     |
| 202          | Sep 05/2015 |     | 211                | Sep 05/2016 |     | 247                | Sep 05/2016 |     |
| 203          | Sep 05/2015 |     | 212                | Sep 05/2016 |     | 248                | Sep 05/2016 |     |
| 204          | Sep 05/2015 |     | 213                | Sep 05/2016 |     | 249                | Sep 05/2016 |     |
| 205          | Sep 05/2015 |     | 214                | Sep 05/2016 |     | 250                | Sep 05/2016 |     |
| 206          | Sep 05/2015 |     | 215                | Sep 05/2016 |     | 251                | Sep 05/2016 |     |
| 207          | Sep 05/2015 |     | 216                | Sep 05/2016 |     | 252                | Sep 05/2016 |     |
| 208          | Sep 05/2015 |     | 217                | Sep 05/2016 |     | 253                | Sep 05/2016 |     |
| 209          | Sep 05/2015 |     | 218                | Sep 05/2016 |     | 254                | Sep 05/2016 |     |
| 210          | Sep 05/2015 |     | 219                | Sep 05/2016 |     | 255                | Sep 05/2016 |     |
| 211          | Sep 05/2015 |     | 220                | Sep 05/2016 |     | 256                | Sep 05/2016 |     |
| 212          | Sep 05/2015 |     | 221                | Sep 05/2016 |     | 257                | Sep 05/2016 |     |
| O 213        | Sep 05/2017 |     | 222                | Sep 05/2016 |     | 258                | Sep 05/2016 |     |
| O 214        | Sep 05/2017 |     | 223                | Sep 05/2016 |     | 259                | Sep 05/2016 |     |
| O 215        | Sep 05/2017 |     | 224                | Sep 05/2016 |     | 260                | Sep 05/2016 |     |
| O 216        | Sep 05/2017 |     | 225                | Sep 05/2016 |     | 261                | Sep 05/2016 |     |
| O 217        | Sep 05/2017 |     | 226                | Sep 05/2016 |     | 262                | Sep 05/2016 |     |
| O 218        | Sep 05/2017 |     | 227                | Sep 05/2016 |     | 263                | Sep 05/2016 |     |
| O 219        | Sep 05/2017 |     | 228                | Sep 05/2016 |     | 264                | Sep 05/2016 |     |
| 220          | Jan 05/2013 |     | 229                | Sep 05/2016 |     | 265                | Sep 05/2016 |     |
| 221          | Jan 05/2013 |     | 230                | Sep 05/2016 |     | 266                | Sep 05/2016 |     |

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| 31-51 TASKS (cont)  |             |            | 31-51 TASKS (cont)  |             |            | 31-51 TASKS (cont)  |             |            |
| 267                 | Sep 05/2016 |            | 298.5               | Sep 05/2016 |            | 298.41              | Sep 05/2016 |            |
| 268                 | Sep 05/2016 |            | 298.6               | Sep 05/2016 |            | 298.42              | Sep 05/2016 |            |
| 269                 | Sep 05/2016 |            | 298.7               | Sep 05/2016 |            | 298.43              | Sep 05/2016 |            |
| 270                 | Sep 05/2016 |            | 298.8               | Sep 05/2016 |            | 298.44              | Sep 05/2016 |            |
| 271                 | Sep 05/2016 |            | 298.9               | Sep 05/2016 |            | 298.45              | Sep 05/2016 |            |
| 272                 | Sep 05/2016 |            | 298.10              | Sep 05/2016 |            | 298.46              | Sep 05/2016 |            |
| 273                 | Sep 05/2016 |            | 298.11              | Sep 05/2016 |            | 298.47              | Sep 05/2016 |            |
| 274                 | Sep 05/2016 |            | 298.12              | Sep 05/2016 |            | 298.48              | Sep 05/2016 |            |
| 275                 | Sep 05/2016 |            | 298.13              | Sep 05/2016 |            | 298.49              | Sep 05/2016 |            |
| 276                 | Sep 05/2016 |            | 298.14              | Sep 05/2016 |            | 298.50              | Sep 05/2016 |            |
| 277                 | Sep 05/2016 |            | 298.15              | Sep 05/2016 |            | 298.51              | Sep 05/2016 |            |
| 278                 | Sep 05/2016 |            | 298.16              | Sep 05/2016 |            | 298.52              | Sep 05/2016 |            |
| 279                 | Sep 05/2016 |            | 298.17              | Sep 05/2016 |            | 298.53              | Sep 05/2016 |            |
| 280                 | Sep 05/2016 |            | 298.18              | Sep 05/2016 |            | 298.54              | Sep 05/2016 |            |
| 281                 | Sep 05/2016 |            | 298.19              | Sep 05/2016 |            | 298.55              | Sep 05/2016 |            |
| 282                 | Sep 05/2016 |            | 298.20              | Sep 05/2016 |            | 298.56              | Sep 05/2016 |            |
| 283                 | Sep 05/2016 |            | 298.21              | Sep 05/2016 |            | 298.57              | Sep 05/2016 |            |
| 284                 | Sep 05/2016 |            | 298.22              | Sep 05/2016 |            | 298.58              | Sep 05/2016 |            |
| 285                 | Sep 05/2016 |            | 298.23              | Sep 05/2016 |            | 298.59              | Sep 05/2016 |            |
| 286                 | Sep 05/2016 |            | 298.24              | Sep 05/2016 |            | 298.60              | Sep 05/2016 |            |
| 287                 | Sep 05/2016 |            | 298.25              | Sep 05/2016 |            | 298.61              | Sep 05/2016 |            |
| 288                 | Sep 05/2016 |            | 298.26              | Sep 05/2016 |            | 298.62              | Sep 05/2016 |            |
| 289                 | Sep 05/2016 |            | 298.27              | Sep 05/2016 |            | 298.63              | Sep 05/2016 |            |
| 290                 | Sep 05/2016 |            | 298.28              | Sep 05/2016 |            | 298.64              | Sep 05/2016 |            |
| 291                 | Sep 05/2016 |            | 298.29              | Sep 05/2016 |            | 298.65              | Sep 05/2016 |            |
| 292                 | Sep 05/2016 |            | 298.30              | Sep 05/2016 |            | 298.66              | Sep 05/2016 |            |
| 293                 | Sep 05/2016 |            | 298.31              | Sep 05/2016 |            | 298.67              | Sep 05/2016 |            |
| 294                 | Sep 05/2016 |            | 298.32              | Sep 05/2016 |            | 298.68              | Sep 05/2016 |            |
| 295                 | Sep 05/2016 |            | 298.33              | Sep 05/2016 |            | 298.69              | Sep 05/2016 |            |
| 296                 | Sep 05/2016 |            | 298.34              | Sep 05/2016 |            | 298.70              | Sep 05/2016 |            |
| 297                 | Sep 05/2016 |            | 298.35              | Sep 05/2016 |            | 298.71              | Sep 05/2016 |            |
| 298                 | Sep 05/2016 |            | 298.36              | Sep 05/2016 |            | 298.72              | Sep 05/2016 |            |
| 298.1               | Sep 05/2016 |            | 298.37              | Sep 05/2016 |            | R 298.73            | Sep 05/2017 |            |
| 298.2               | Sep 05/2016 |            | 298.38              | Sep 05/2016 |            | R 298.74            | Sep 05/2017 |            |
| 298.3               | Sep 05/2016 |            | 298.39              | Sep 05/2016 |            | R 298.75            | Sep 05/2017 |            |
| 298.4               | Sep 05/2016 |            | 298.40              | Sep 05/2016 |            | O 298.76            | Sep 05/2017 |            |

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| 31-51 TASKS (cont) |             |     | 31-51 TASKS (cont) |             |     | 31-61 TASKS (cont) |             |     |
| O 298.77           | Sep 05/2017 |     | O 298.113          | Sep 05/2017 |     | 232                | May 05/2013 |     |
| O 298.78           | Sep 05/2017 |     | O 298.114          | Sep 05/2017 |     | 233                | Sep 05/2016 |     |
| O 298.79           | Sep 05/2017 |     | A 298.115          | Sep 05/2017 |     | 234                | Sep 05/2016 |     |
| O 298.80           | Sep 05/2017 |     | A 298.116          | BLANK       |     | 235                | Sep 05/2016 |     |
| O 298.81           | Sep 05/2017 |     | 31-61 TASKS        |             |     | 236                | Sep 05/2016 |     |
| O 298.82           | Sep 05/2017 |     | 201                | Jan 05/2013 |     | 237                | Sep 05/2016 |     |
| O 298.83           | Sep 05/2017 |     | 202                | Jan 05/2013 |     | 238                | Sep 05/2016 |     |
| O 298.84           | Sep 05/2017 |     | 203                | Jan 05/2013 |     | 239                | Sep 05/2016 |     |
| O 298.85           | Sep 05/2017 |     | 204                | Jan 05/2013 |     | 240                | Sep 05/2016 |     |
| O 298.86           | Sep 05/2017 |     | 205                | Jan 05/2013 |     | 241                | Sep 05/2016 |     |
| O 298.87           | Sep 05/2017 |     | 206                | Jan 05/2013 |     | 242                | Sep 05/2016 |     |
| O 298.88           | Sep 05/2017 |     | 207                | Jan 05/2013 |     | 243                | Sep 05/2016 |     |
| O 298.89           | Sep 05/2017 |     | 208                | Jan 05/2013 |     | 244                | Sep 05/2016 |     |
| O 298.90           | Sep 05/2017 |     | 209                | May 05/2013 |     | 245                | Sep 05/2016 |     |
| O 298.91           | Sep 05/2017 |     | 210                | Jan 05/2013 |     | 246                | Sep 05/2016 |     |
| O 298.92           | Sep 05/2017 |     | 211                | Jan 05/2013 |     | 247                | Sep 05/2016 |     |
| O 298.93           | Sep 05/2017 |     | 212                | Jan 05/2013 |     | 248                | Sep 05/2016 |     |
| O 298.94           | Sep 05/2017 |     | 213                | May 05/2013 |     | 249                | Sep 05/2016 |     |
| O 298.95           | Sep 05/2017 |     | 214                | May 05/2013 |     | 250                | Sep 05/2016 |     |
| O 298.96           | Sep 05/2017 |     | 215                | Sep 05/2016 |     | 251                | Sep 05/2016 |     |
| O 298.97           | Sep 05/2017 |     | 216                | Sep 05/2016 |     | 252                | Sep 05/2016 |     |
| O 298.98           | Sep 05/2017 |     | 217                | Sep 05/2016 |     | 253                | Sep 05/2016 |     |
| O 298.99           | Sep 05/2017 |     | 218                | Sep 05/2016 |     | 254                | Sep 05/2016 |     |
| O 298.100          | Sep 05/2017 |     | 219                | Sep 05/2016 |     | 255                | Sep 05/2016 |     |
| O 298.101          | Sep 05/2017 |     | 220                | Sep 05/2016 |     | 256                | Sep 05/2016 |     |
| O 298.102          | Sep 05/2017 |     | 221                | Sep 05/2016 |     | 257                | Sep 05/2016 |     |
| O 298.103          | Sep 05/2017 |     | 222                | Sep 05/2016 |     | 258                | Sep 05/2016 |     |
| O 298.104          | Sep 05/2017 |     | 223                | Sep 05/2016 |     | 259                | Sep 05/2016 |     |
| O 298.105          | Sep 05/2017 |     | 224                | Sep 05/2013 |     | 260                | Sep 05/2016 |     |
| O 298.106          | Sep 05/2017 |     | 225                | Sep 05/2013 |     | 261                | Sep 05/2016 |     |
| O 298.107          | Sep 05/2017 |     | 226                | Sep 05/2013 |     | 262                | Sep 05/2016 |     |
| O 298.108          | Sep 05/2017 |     | 227                | May 05/2013 |     | 263                | Sep 05/2016 |     |
| O 298.109          | Sep 05/2017 |     | 228                | Sep 05/2016 |     | 264                | Sep 05/2016 |     |
| O 298.110          | Sep 05/2017 |     | 229                | Sep 05/2016 |     | 265                | Sep 05/2016 |     |
| O 298.111          | Sep 05/2017 |     | 230                | Sep 05/2016 |     | 266                | Sep 05/2016 |     |
| O 298.112          | Sep 05/2017 |     | 231                | May 05/2013 |     | 267                | Sep 05/2016 |     |

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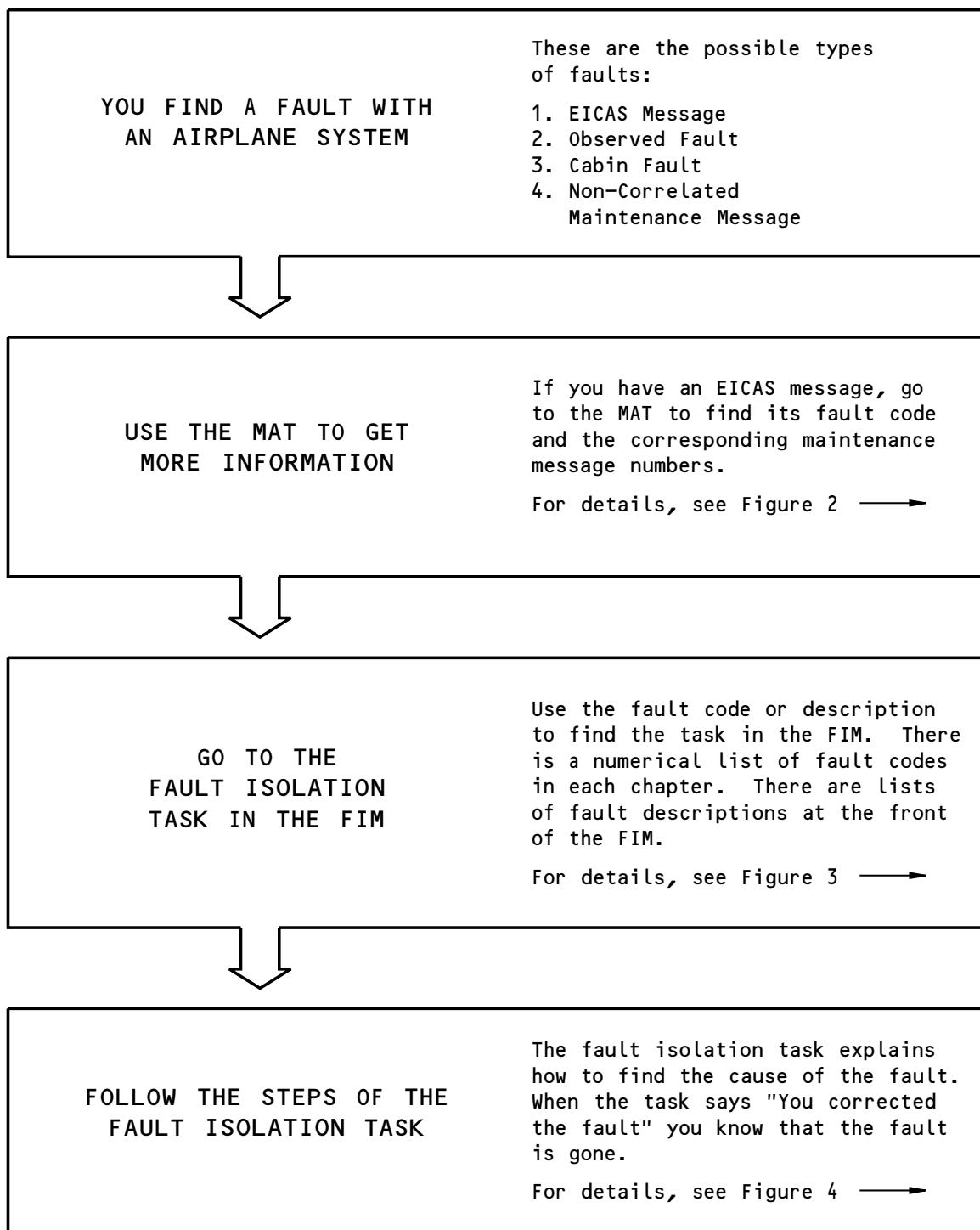
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| 31-61 TASKS (cont) |             |     | 31-61 TASKS (cont) |             |     |              |      |     |
| 268                | Sep 05/2016 |     | 298.6              | Sep 05/2016 |     |              |      |     |
| 269                | Sep 05/2016 |     | 298.7              | Sep 05/2016 |     |              |      |     |
| 270                | Sep 05/2016 |     | 298.8              | Sep 05/2016 |     |              |      |     |
| 271                | Sep 05/2016 |     | 298.9              | Sep 05/2016 |     |              |      |     |
| 272                | Sep 05/2016 |     | 298.10             | Sep 05/2016 |     |              |      |     |
| 273                | Sep 05/2016 |     | 298.11             | Sep 05/2016 |     |              |      |     |
| 274                | Sep 05/2016 |     | O 298.12           | Sep 05/2017 |     |              |      |     |
| 275                | Sep 05/2016 |     | O 298.13           | Sep 05/2017 |     |              |      |     |
| 276                | Sep 05/2016 |     | O 298.14           | Sep 05/2017 |     |              |      |     |
| 277                | Sep 05/2016 |     | O 298.15           | Sep 05/2017 |     |              |      |     |
| 278                | Sep 05/2016 |     | O 298.16           | Sep 05/2017 |     |              |      |     |
| 279                | Sep 05/2016 |     | O 298.17           | Sep 05/2017 |     |              |      |     |
| 280                | Sep 05/2016 |     | O 298.18           | Sep 05/2017 |     |              |      |     |
| 281                | May 05/2017 |     | O 298.19           | Sep 05/2017 |     |              |      |     |
| 282                | Sep 05/2016 |     | R 298.20           | Sep 05/2017 |     |              |      |     |
| 283                | Sep 05/2016 |     | 31-61 TASK SUPPORT |             |     |              |      |     |
| 284                | Sep 05/2016 |     | 301                | Jan 05/2013 |     |              |      |     |
| 285                | Sep 05/2016 |     | 302                | BLANK       |     |              |      |     |
| 286                | Sep 05/2016 |     | 31-98 TASKS        |             |     |              |      |     |
| 287                | Sep 05/2016 |     | 201                | Jan 05/2013 |     |              |      |     |
| 288                | Sep 05/2016 |     | 202                | BLANK       |     |              |      |     |
| 289                | Sep 05/2016 |     |                    |             |     |              |      |     |
| 290                | Sep 05/2016 |     |                    |             |     |              |      |     |
| 291                | Sep 05/2016 |     |                    |             |     |              |      |     |
| 292                | Sep 05/2016 |     |                    |             |     |              |      |     |
| 293                | Sep 05/2016 |     |                    |             |     |              |      |     |
| 294                | Sep 05/2016 |     |                    |             |     |              |      |     |
| 295                | Sep 05/2016 |     |                    |             |     |              |      |     |
| 296                | Sep 05/2016 |     |                    |             |     |              |      |     |
| 297                | Sep 05/2016 |     |                    |             |     |              |      |     |
| 298                | Sep 05/2016 |     |                    |             |     |              |      |     |
| 298.1              | Sep 05/2016 |     |                    |             |     |              |      |     |
| 298.2              | Sep 05/2016 |     |                    |             |     |              |      |     |
| 298.3              | Sep 05/2016 |     |                    |             |     |              |      |     |
| 298.4              | Sep 05/2016 |     |                    |             |     |              |      |     |
| 298.5              | Sep 05/2016 |     |                    |             |     |              |      |     |

A = Added, R = Revised, D = Deleted, O = Overflow, C = Customer Originated Change

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E84424 S0000132469\_V1

Basic Fault Isolation Process  
Figure 1

EFFECTIVITY  
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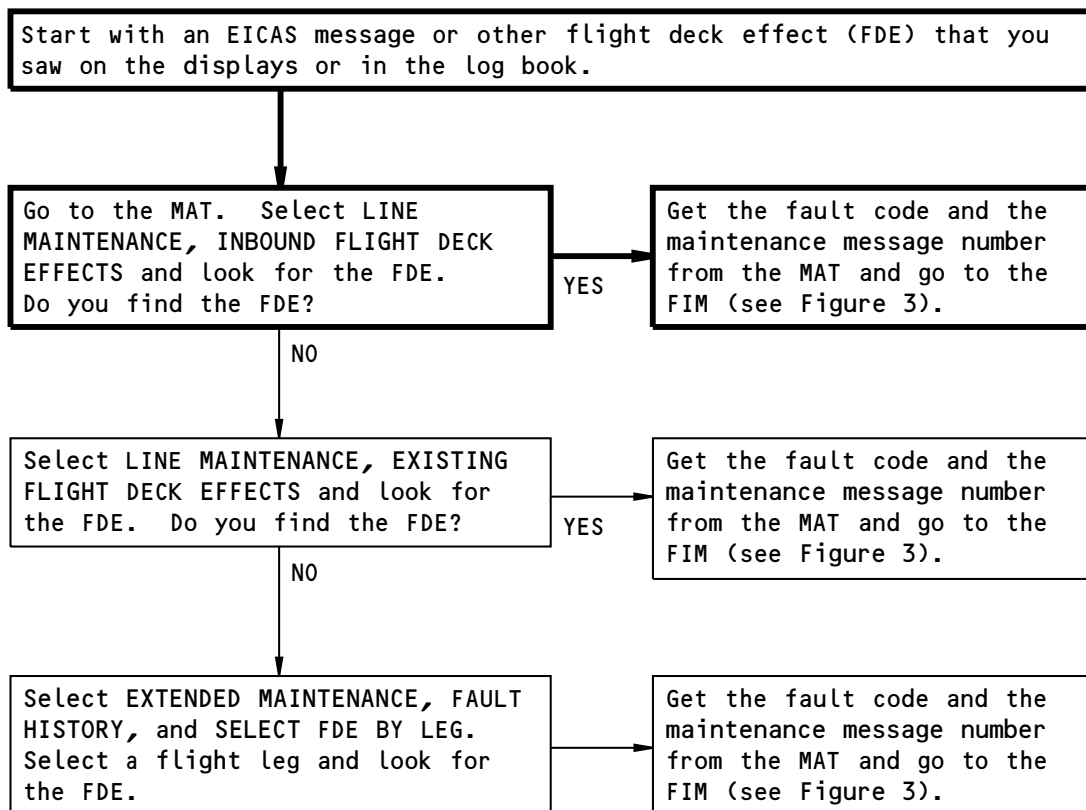
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**NOTE:** The bold lines show the most common path.

E84425 S0000132475\_V1

**Getting Fault Information from the MAT**  
**Figure 2**

EFFECTIVITY  
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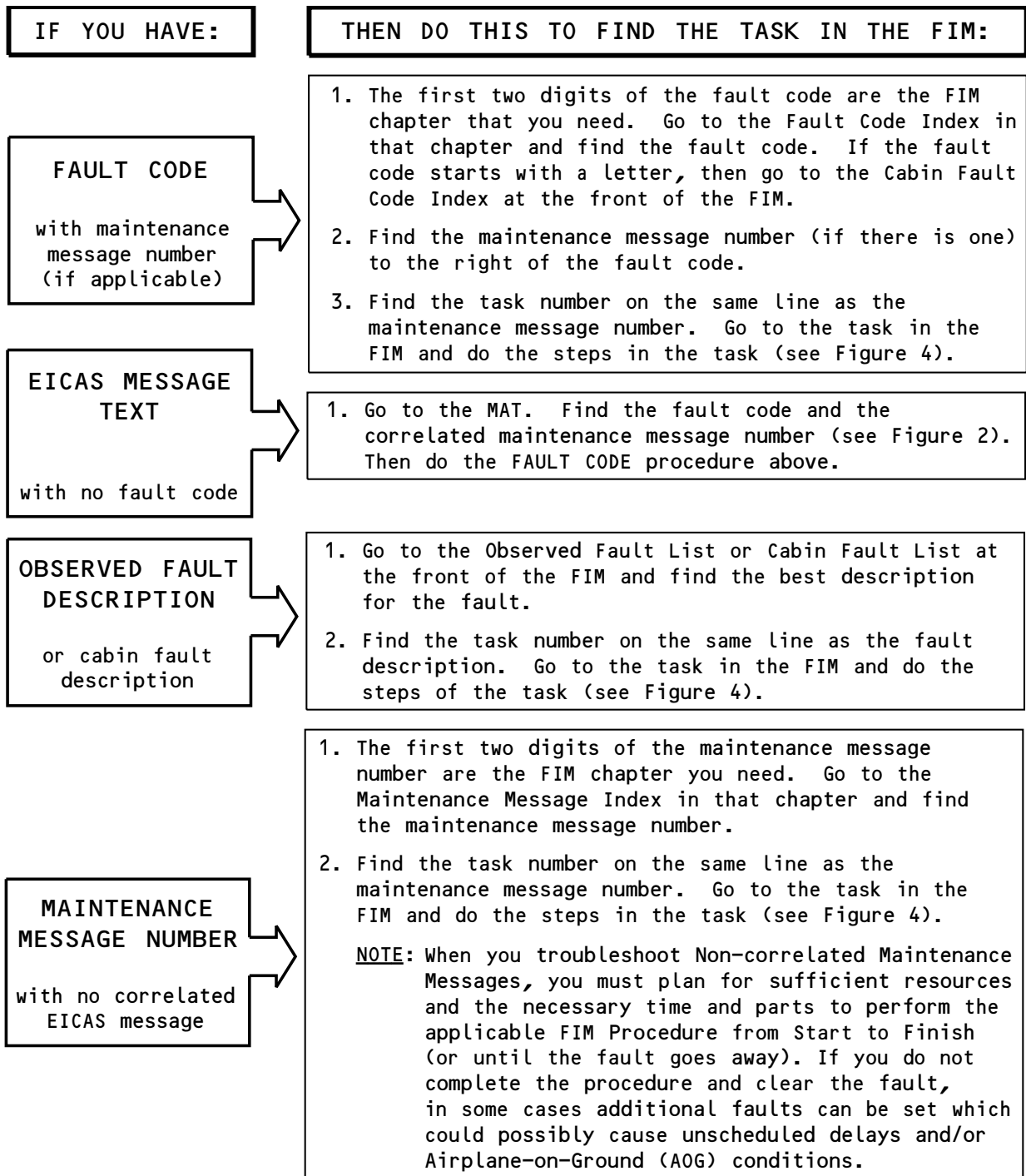
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E84427 S0000132476\_V2

Finding the Fault Isolation Task in the FIM  
Figure 3

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### ASSUMED CONDITIONS AT START OF TASK

- External electrical power is ON
- Hydraulic power and pneumatic power are OFF
- Engines are shut down
- No equipment in the system is deactivated

### INITIAL EVALUATION PARAGRAPH

- The Initial Evaluation paragraph at the start of the task helps you determine whether you can detect the fault right now.
- If you cannot detect the fault right now, then the task cannot isolate the fault and the Initial Evaluation paragraph will say that there was an intermittent fault.
- If you have an intermittent fault, you must use your judgement (and follow your airline's policy) to decide which components to replace. Then monitor the airplane to see if the fault happens again on subsequent flights.

### FAULT ISOLATION STEPS

- The FIM task steps are presented in a specified order. "The If... then" statements will guide you along a logical path. But if you do not plan to follow the FIM task exactly, make sure that you read it before you start to isolate the fault. Some FIM procedures start with important steps that have an effect on the other steps in the procedure.
- When you are at the endpoint of the path, the step says "You corrected the fault." Complete the step and exit the procedure.
- The Recommended Maintenance Action that shows on the MAT for the maintenance message gives a list of possible causes in order by probability of failure. In the FIM procedure, the possible causes can be in a different order from the MAT.

### WIRING CHECKS

When a step says "Do a wiring check", do these three types of electrical checks for the specified contacts (pins):

- continuity from contact to contact
- shorts between the contacts
- shorts from each contact to ground

E84428 S0000132477\_V3

Doing the Fault Isolation Task  
Figure 4

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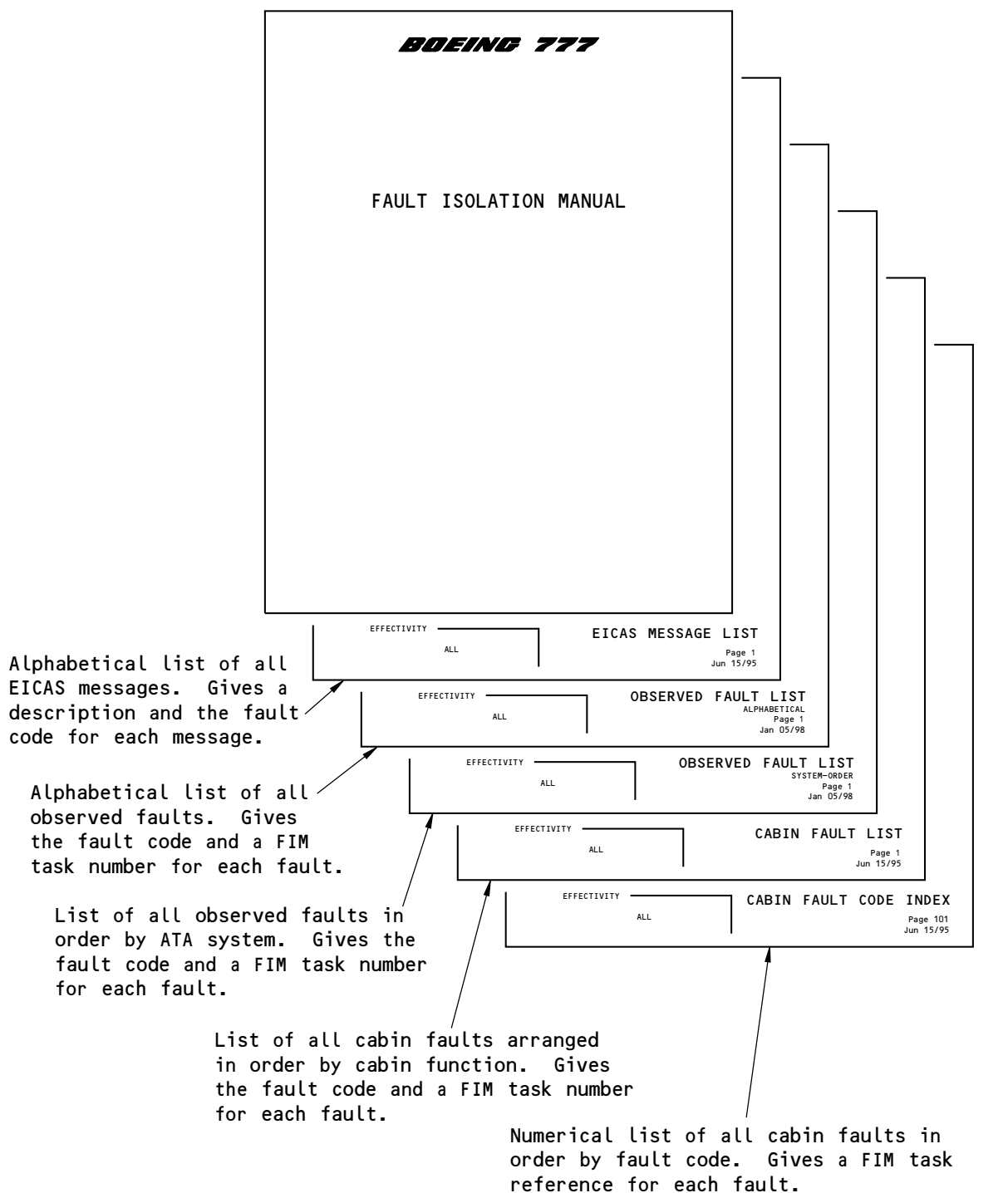
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F39750 S0000132478\_V1

Subjects at Front of FIM  
Figure 5

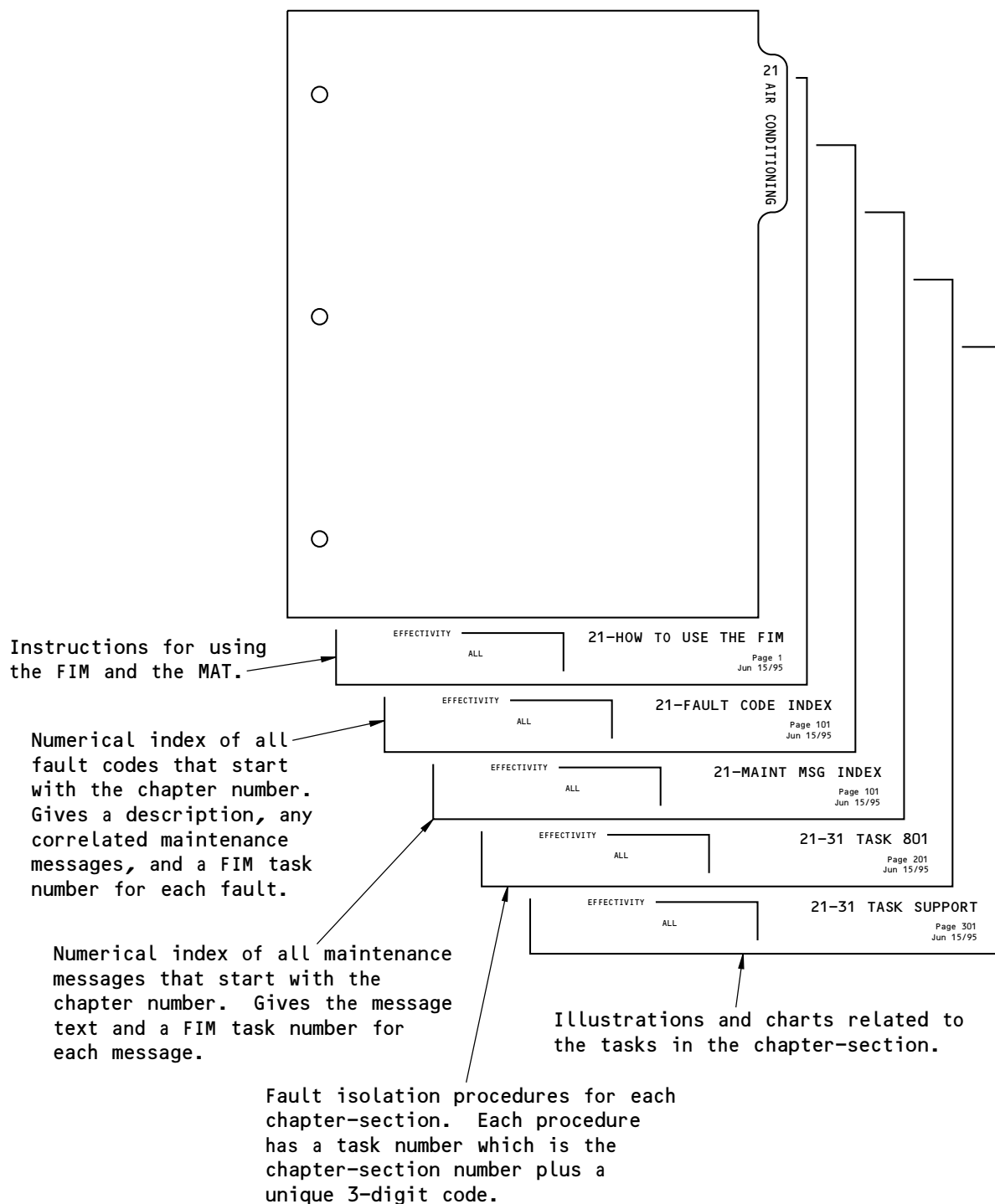
|             |
|-------------|
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F39837 S0000132479\_V1

Subjects in Each FIM Chapter  
Figure 6

|             |
|-------------|
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| <b>FAULT CODE</b> | <b>FAULT DESCRIPTION</b>       | <b>MAINT MSG</b> | <b>GO TO FIM TASK</b> |
|-------------------|--------------------------------|------------------|-----------------------|
| 310 001 41        | LSCF ASG CARD L (EICAS STATUS) | 23-81004         | 23-91 TASK 804        |
|                   |                                | 31-13011         | 31-09 TASK 804        |
|                   |                                | 31-13021         | 31-09 TASK 808        |
|                   |                                | 31-18801         | 31-08 TASK 810        |
|                   |                                | 31-18841         | 31-08 TASK 814        |
|                   |                                | 31-58013         | 31-43 TASK 872        |
|                   |                                | 31-58014         | 31-43 TASK 873        |
|                   |                                | 31-58121         | 31-41 TASK 856        |
|                   |                                | 31-58122         | 31-41 TASK 857        |
|                   |                                | 31-69401         | 31-42 TASK 825        |
|                   |                                | 31-69402         | 31-42 TASK 825        |
|                   |                                | 31-69491         | 31-42 TASK 851        |
|                   |                                | 31-69492         | 31-42 TASK 851        |
|                   |                                | NONE             | 31-09 TASK 838        |
| 310 001 42        | LSCF ASG CARD R (EICAS STATUS) | 23-81006         | 23-91 TASK 806        |
|                   |                                | 31-13012         | 31-09 TASK 805        |
|                   |                                | 31-13022         | 31-09 TASK 809        |
|                   |                                | 31-18803         | 31-08 TASK 812        |
|                   |                                | 31-18863         | 31-08 TASK 816        |
|                   |                                | 31-54013         | 31-43 TASK 868        |
|                   |                                | 31-54014         | 31-43 TASK 869        |
|                   |                                | 31-54121         | 31-41 TASK 838        |
|                   |                                | 31-54122         | 31-41 TASK 839        |
|                   |                                | 31-69601         | 31-42 TASK 857        |
|                   |                                | 31-69602         | 31-42 TASK 857        |
|                   |                                | 31-69691         | 31-42 TASK 878        |
|                   |                                | 31-69692         | 31-42 TASK 878        |
|                   |                                | NONE             | 31-09 TASK 838        |
| 310 002 41        | RSCF ASG CARD L (EICAS STATUS) | 23-81004         | 23-91 TASK 804        |
|                   |                                | 31-13013         | 31-09 TASK 806        |
|                   |                                | 31-13023         | 31-09 TASK 810        |
|                   |                                | 31-18802         | 31-08 TASK 811        |
|                   |                                | 31-18842         | 31-08 TASK 814        |
|                   |                                | 31-58013         | 31-43 TASK 872        |
|                   |                                | 31-58014         | 31-43 TASK 873        |

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| <b>FAULT CODE</b> | <b>FAULT DESCRIPTION</b>         | <b>MAINT MSG</b> | <b>GO TO FIM TASK</b> |
|-------------------|----------------------------------|------------------|-----------------------|
| 310 002 41        | RSCF ASG CARD L (EICAS STATUS)   | (continued)      |                       |
|                   |                                  | 31-58121         | 31-41 TASK 856        |
|                   |                                  | 31-58122         | 31-41 TASK 857        |
|                   |                                  | 31-69401         | 31-42 TASK 825        |
|                   |                                  | 31-69402         | 31-42 TASK 825        |
|                   |                                  | 31-69493         | 31-42 TASK 851        |
|                   |                                  | 31-69494         | 31-42 TASK 851        |
|                   |                                  | NONE             | 31-09 TASK 841        |
| 310 002 42        | RSCF ASG CARD R (EICAS STATUS)   | 23-81006         | 23-91 TASK 806        |
|                   |                                  | 31-13014         | 31-09 TASK 807        |
|                   |                                  | 31-13024         | 31-09 TASK 811        |
|                   |                                  | 31-18804         | 31-08 TASK 813        |
|                   |                                  | 31-18864         | 31-08 TASK 817        |
|                   |                                  | 31-54013         | 31-43 TASK 868        |
|                   |                                  | 31-54014         | 31-43 TASK 869        |
|                   |                                  | 31-54121         | 31-41 TASK 838        |
|                   |                                  | 31-54122         | 31-41 TASK 839        |
|                   |                                  | 31-69601         | 31-42 TASK 857        |
|                   |                                  | 31-69602         | 31-42 TASK 857        |
|                   |                                  | 31-69693         | 31-42 TASK 878        |
|                   |                                  | 31-69694         | 31-42 TASK 878        |
|                   |                                  | NONE             | 31-09 TASK 841        |
| 310 011 01        | LSCF PWR SUPPLY 1 (EICAS STATUS) | 23-81004         | 23-91 TASK 804        |
|                   |                                  | 23-81006         | 23-91 TASK 806        |
|                   |                                  | 24-18803         | 24-09 TASK 808        |
|                   |                                  | 31-14011         | 31-09 TASK 812        |
|                   |                                  | 31-14012         | 31-09 TASK 813        |
|                   |                                  | 31-14015         | 31-09 TASK 816        |
|                   |                                  | 31-14031         | 31-09 TASK 820        |
|                   |                                  | 31-18801         | 31-08 TASK 810        |
|                   |                                  | 31-18803         | 31-08 TASK 812        |
|                   |                                  | 31-18841         | 31-08 TASK 814        |
|                   |                                  | 31-18863         | 31-08 TASK 816        |
|                   |                                  | 31-54013         | 31-43 TASK 868        |
|                   |                                  | 31-54014         | 31-43 TASK 869        |
|                   |                                  | 31-54121         | 31-41 TASK 838        |

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| <b>FAULT CODE</b> | <b>FAULT DESCRIPTION</b>         | <b>MAINT MSG</b> | <b>GO TO FIM TASK</b> |
|-------------------|----------------------------------|------------------|-----------------------|
| 310 011 01        | LSCF PWR SUPPLY 1 (EICAS STATUS) | (continued)      |                       |
|                   |                                  | 31-54122         | 31-41 TASK 839        |
|                   |                                  | 31-58013         | 31-43 TASK 872        |
|                   |                                  | 31-58014         | 31-43 TASK 873        |
|                   |                                  | 31-58121         | 31-41 TASK 856        |
|                   |                                  | 31-58122         | 31-41 TASK 857        |
|                   |                                  | 31-69401         | 31-42 TASK 825        |
|                   |                                  | 31-69402         | 31-42 TASK 825        |
|                   |                                  | 31-69491         | 31-42 TASK 851        |
|                   |                                  | 31-69492         | 31-42 TASK 851        |
|                   |                                  | 31-69601         | 31-42 TASK 857        |
|                   |                                  | 31-69602         | 31-42 TASK 857        |
|                   |                                  | 31-69691         | 31-42 TASK 878        |
|                   |                                  | 31-69692         | 31-42 TASK 878        |
| 310 011 02        | LSCF PWR SUPPLY 2 (EICAS STATUS) | 23-81004         | 23-91 TASK 804        |
|                   |                                  | 23-81006         | 23-91 TASK 806        |
|                   |                                  | 31-14051         | 31-09 TASK 821        |
|                   |                                  | 31-14052         | 31-09 TASK 822        |
|                   |                                  | 31-14055         | 31-09 TASK 825        |
|                   |                                  | 31-14072         | 31-09 TASK 829        |
|                   |                                  | 31-18801         | 31-08 TASK 810        |
|                   |                                  | 31-18803         | 31-08 TASK 812        |
|                   |                                  | 31-18841         | 31-08 TASK 814        |
|                   |                                  | 31-18863         | 31-08 TASK 816        |
|                   |                                  | 31-54013         | 31-43 TASK 868        |
|                   |                                  | 31-54014         | 31-43 TASK 869        |
|                   |                                  | 31-54121         | 31-41 TASK 838        |
|                   |                                  | 31-54122         | 31-41 TASK 839        |
|                   |                                  | 31-58013         | 31-43 TASK 872        |
|                   |                                  | 31-58014         | 31-43 TASK 873        |
|                   |                                  | 31-58121         | 31-41 TASK 856        |
|                   |                                  | 31-58122         | 31-41 TASK 857        |
|                   |                                  | 31-69401         | 31-42 TASK 825        |
|                   |                                  | 31-69402         | 31-42 TASK 825        |
|                   |                                  | 31-69491         | 31-42 TASK 851        |
|                   |                                  | 31-69492         | 31-42 TASK 851        |

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| <b>FAULT CODE</b> | <b>FAULT DESCRIPTION</b>         | <b>MAINT MSG</b> | <b>GO TO FIM TASK</b> |
|-------------------|----------------------------------|------------------|-----------------------|
| 310 011 02        | LSCF PWR SUPPLY 2 (EICAS STATUS) | (continued)      |                       |
|                   |                                  | 31-69601         | 31-42 TASK 857        |
|                   |                                  | 31-69602         | 31-42 TASK 857        |
|                   |                                  | 31-69691         | 31-42 TASK 878        |
| 310 012 01        | RSCF PWR SUPPLY 1 (EICAS STATUS) | 31-69692         | 31-42 TASK 878        |
|                   |                                  | 23-81004         | 23-91 TASK 804        |
|                   |                                  | 23-81006         | 23-91 TASK 806        |
|                   |                                  | 24-18803         | 24-09 TASK 808        |
|                   |                                  | 31-14013         | 31-09 TASK 814        |
|                   |                                  | 31-14014         | 31-09 TASK 815        |
|                   |                                  | 31-14016         | 31-09 TASK 817        |
|                   |                                  | 31-14043         | 31-09 TASK 820        |
|                   |                                  | 31-18802         | 31-08 TASK 811        |
|                   |                                  | 31-18804         | 31-08 TASK 813        |
|                   |                                  | 31-18842         | 31-08 TASK 814        |
|                   |                                  | 31-18864         | 31-08 TASK 817        |
|                   |                                  | 31-54013         | 31-43 TASK 868        |
|                   |                                  | 31-54014         | 31-43 TASK 869        |
|                   |                                  | 31-54121         | 31-41 TASK 838        |
|                   |                                  | 31-54122         | 31-41 TASK 839        |
|                   |                                  | 31-58013         | 31-43 TASK 872        |
|                   |                                  | 31-58014         | 31-43 TASK 873        |
|                   |                                  | 31-58121         | 31-41 TASK 856        |
|                   |                                  | 31-58122         | 31-41 TASK 857        |
|                   |                                  | 31-69401         | 31-42 TASK 825        |
|                   |                                  | 31-69402         | 31-42 TASK 825        |
|                   |                                  | 31-69493         | 31-42 TASK 851        |
|                   |                                  | 31-69494         | 31-42 TASK 851        |
| 310 012 02        | RSCF PWR SUPPLY 2 (EICAS STATUS) | 31-69601         | 31-42 TASK 857        |
|                   |                                  | 31-69602         | 31-42 TASK 857        |
|                   |                                  | 31-69693         | 31-42 TASK 878        |
|                   |                                  | 31-69694         | 31-42 TASK 878        |
|                   |                                  | 23-81004         | 23-91 TASK 804        |
|                   |                                  | 23-81006         | 23-91 TASK 806        |
|                   |                                  | 31-14053         | 31-09 TASK 823        |
|                   |                                  | 31-14054         | 31-09 TASK 824        |

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|-------------------|----------------------------------|------------------|-----------------------|
| 310 012 02        | RSCF PWR SUPPLY 2 (EICAS STATUS) | (continued)      |                       |
|                   |                                  | 31-14056         | 31-09 TASK 826        |
|                   |                                  | 31-14084         | 31-09 TASK 829        |
|                   |                                  | 31-18802         | 31-08 TASK 811        |
|                   |                                  | 31-18804         | 31-08 TASK 813        |
|                   |                                  | 31-18842         | 31-08 TASK 814        |
|                   |                                  | 31-18864         | 31-08 TASK 817        |
|                   |                                  | 31-54013         | 31-43 TASK 868        |
|                   |                                  | 31-54014         | 31-43 TASK 869        |
|                   |                                  | 31-54121         | 31-41 TASK 838        |
|                   |                                  | 31-54122         | 31-41 TASK 839        |
|                   |                                  | 31-58013         | 31-43 TASK 872        |
|                   |                                  | 31-58014         | 31-43 TASK 873        |
|                   |                                  | 31-58121         | 31-41 TASK 856        |
|                   |                                  | 31-58122         | 31-41 TASK 857        |
|                   |                                  | 31-69401         | 31-42 TASK 825        |
|                   |                                  | 31-69402         | 31-42 TASK 825        |
|                   |                                  | 31-69493         | 31-42 TASK 851        |
|                   |                                  | 31-69494         | 31-42 TASK 851        |
|                   |                                  | 31-69601         | 31-42 TASK 857        |
|                   |                                  | 31-69602         | 31-42 TASK 857        |
|                   |                                  | 31-69693         | 31-42 TASK 878        |
|                   |                                  | 31-69694         | 31-42 TASK 878        |
| 313 001 00        | FLT RECORDER SYS (EICAS STATUS)  | 23-81004         | 23-91 TASK 804        |
|                   |                                  | 23-81006         | 23-91 TASK 806        |
|                   |                                  | 31-20000         | 31-31 TASK 830        |
|                   |                                  | 31-20020         | 31-31 TASK 821        |
|                   |                                  | 31-20031         | 31-31 TASK 803        |
|                   |                                  | 31-20032         | 31-31 TASK 811        |
|                   |                                  | 31-20040         | 31-31 TASK 819        |
|                   |                                  | 31-20045         | 31-31 TASK 834        |
|                   |                                  | 31-20046         | 31-31 TASK 835        |
|                   |                                  | 31-20047         | 31-31 TASK 836        |
|                   |                                  | 31-20061         | 31-31 TASK 804        |
|                   |                                  | 31-20062         | 31-31 TASK 815        |
|                   |                                  | 31-20070         | 31-31 TASK 821        |

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|-------------------|---------------------------------|------------------|-----------------------|
| 313 001 00        | FLT RECORDER SYS (EICAS STATUS) | (continued)      |                       |
|                   |                                 | 31-20201         | 31-31 TASK 801        |
|                   |                                 | 31-20202         | 31-31 TASK 801        |
|                   |                                 | 31-29403         | 31-31 TASK 824        |
|                   |                                 | 31-29404         | 31-31 TASK 825        |
|                   |                                 | 31-29405         | 31-31 TASK 826        |
|                   |                                 | 31-29406         | 31-31 TASK 827        |
|                   |                                 | 31-50011         | 31-44 TASK 801        |
|                   |                                 | 31-50012         | 31-44 TASK 802        |
|                   |                                 | 31-51013         | 31-44 TASK 863        |
|                   |                                 | 31-51014         | 31-44 TASK 864        |
|                   |                                 | 31-51151         | 31-31 TASK 803        |
|                   |                                 | 31-51152         | 31-31 TASK 811        |
|                   |                                 | 31-51153         | 31-31 TASK 804        |
|                   |                                 | 31-51154         | 31-31 TASK 815        |
|                   |                                 | 31-52013         | 31-43 TASK 866        |
|                   |                                 | 31-52014         | 31-43 TASK 867        |
|                   |                                 | 31-52601         | 31-41 TASK 832        |
|                   |                                 | 31-52602         | 31-41 TASK 833        |
|                   |                                 | 31-54013         | 31-43 TASK 868        |
|                   |                                 | 31-54014         | 31-43 TASK 869        |
|                   |                                 | 31-54121         | 31-41 TASK 838        |
|                   |                                 | 31-54122         | 31-41 TASK 839        |
|                   |                                 | 31-54601         | 31-41 TASK 840        |
|                   |                                 | 31-54602         | 31-41 TASK 841        |
|                   |                                 | 31-58013         | 31-43 TASK 872        |
|                   |                                 | 31-58014         | 31-43 TASK 873        |
|                   |                                 | 31-58121         | 31-41 TASK 856        |
|                   |                                 | 31-58122         | 31-41 TASK 857        |
|                   |                                 | 31-68801         | 31-43 TASK 892        |
|                   |                                 | 31-68802         | 31-43 TASK 893        |
|                   |                                 | 31-83091         | 31-61 TASK 863        |
|                   |                                 | 31-83092         | 31-61 TASK 864        |
|                   |                                 | 31-83093         | 31-61 TASK 865        |
|                   |                                 | 31-83094         | 31-61 TASK 866        |
|                   |                                 | 31-83101         | 31-61 TASK 894        |

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|-------------------|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 313 001 00        | FLT RECORDER SYS (EICAS STATUS)                         | (continued)<br>31-83102<br>31-83103<br>31-83104                                                                                                                                                                                                                                              | 31-61 TASK 895<br>31-61 TASK 896<br>31-61 TASK 897                                                                                                                                                                                                                                                                                                                                                                                           |
| 313 480 41        | Maintenance memo shows on the MAT: DFDAF IN LEFT AIMS.  | 23-81004<br>23-81006<br>31-20000<br>31-20020<br>31-20031<br>31-20032<br>31-20040<br>31-20062<br>31-20070<br>31-21011<br>31-29404<br>31-29406<br>31-50012<br>31-51014<br>31-51152<br>31-51154<br>31-52014<br>31-52602<br>31-54014<br>31-54122<br>31-54602<br>31-58014<br>31-58122<br>31-68802 | 23-91 TASK 804<br>23-91 TASK 806<br>31-31 TASK 830<br>31-31 TASK 821<br>31-31 TASK 803<br>31-31 TASK 811<br>31-31 TASK 819<br>31-31 TASK 815<br>31-31 TASK 821<br>31-31 TASK 831<br>31-31 TASK 825<br>31-31 TASK 827<br>31-44 TASK 802<br>31-44 TASK 864<br>31-31 TASK 811<br>31-31 TASK 815<br>31-43 TASK 867<br>31-41 TASK 833<br>31-43 TASK 869<br>31-41 TASK 839<br>31-41 TASK 841<br>31-43 TASK 873<br>31-41 TASK 857<br>31-43 TASK 893 |
| 313 480 42        | Maintenance memo shows on the MAT: DFDAF IN RIGHT AIMS. | 23-81004<br>23-81006<br>31-20000<br>31-20020<br>31-20031<br>31-20032                                                                                                                                                                                                                         | 23-91 TASK 804<br>23-91 TASK 806<br>31-31 TASK 830<br>31-31 TASK 821<br>31-31 TASK 803<br>31-31 TASK 811                                                                                                                                                                                                                                                                                                                                     |

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| FAULT CODE | FAULT DESCRIPTION                                            | MAINT MSG   | GO TO FIM TASK |
|------------|--------------------------------------------------------------|-------------|----------------|
| 313 480 42 | Maintenance memo shows on the MAT: DFDAF IN RIGHT AIMS.      | (continued) |                |
|            |                                                              | 31-20040    | 31-31 TASK 819 |
|            |                                                              | 31-20061    | 31-31 TASK 804 |
|            |                                                              | 31-20070    | 31-31 TASK 821 |
|            |                                                              | 31-20201    | 31-31 TASK 801 |
|            |                                                              | 31-21012    | 31-31 TASK 832 |
|            |                                                              | 31-29403    | 31-31 TASK 824 |
|            |                                                              | 31-29405    | 31-31 TASK 826 |
|            |                                                              | 31-50011    | 31-44 TASK 801 |
|            |                                                              | 31-51013    | 31-44 TASK 863 |
|            |                                                              | 31-51151    | 31-31 TASK 803 |
|            |                                                              | 31-51153    | 31-31 TASK 804 |
|            |                                                              | 31-52013    | 31-43 TASK 866 |
|            |                                                              | 31-52601    | 31-41 TASK 832 |
|            |                                                              | 31-54013    | 31-43 TASK 868 |
|            |                                                              | 31-54121    | 31-41 TASK 838 |
|            |                                                              | 31-54601    | 31-41 TASK 840 |
|            |                                                              | 31-58013    | 31-43 TASK 872 |
|            |                                                              | 31-58121    | 31-41 TASK 856 |
|            |                                                              | 31-68801    | 31-43 TASK 892 |
| 313 611 31 | VOR DME (left) display on ND: blank - captain's.             |             | 34-55 TASK 815 |
| 313 611 32 | VOR DME (right) display on ND: blank - first officer's.      |             | 34-55 TASK 815 |
| 313 612 31 | VOR DME (left) display on ND: inaccurate - captain's.        |             | 34-55 TASK 816 |
| 313 612 32 | VOR DME (right) display on ND: inaccurate - first officer's. |             | 34-55 TASK 816 |
| 313 621 31 | ILS DME (left) display on ND: blank - captain's.             |             | 34-55 TASK 817 |
| 313 621 32 | ILS DME (right) display on ND: blank - first officer's.      |             | 34-55 TASK 817 |
| 313 631 00 | ACMF data: does not print when airplane in is the air.       |             | 31-35 TASK 858 |
| 313 632 00 | ACMS Engine Stable report: report is not present.            |             | 31-35 TASK 857 |
| 313 641 00 | Printer (flight deck): needs spare paper.                    |             | 23-98 TASK 803 |

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|------------|------------------------------------------------------------------------------------|-----------|----------------|
| 314 001 00 | AIMS (EICAS STATUS)<br>Before you do any task listed here, see FIM 31-43 TASK 898. | 23-81001  | 23-91 TASK 801 |
|            |                                                                                    | 23-81002  | 23-91 TASK 802 |
|            |                                                                                    | 23-81003  | 23-91 TASK 803 |
|            |                                                                                    | 23-81004  | 23-91 TASK 804 |
|            |                                                                                    | 23-81005  | 23-91 TASK 805 |
|            |                                                                                    | 23-81006  | 23-91 TASK 806 |
|            |                                                                                    | 23-81007  | 23-91 TASK 807 |
|            |                                                                                    | 24-11787  | 24-32 TASK 817 |
|            |                                                                                    | 24-12051  | 24-32 TASK 819 |
|            |                                                                                    | 24-12056  | 24-32 TASK 820 |
|            |                                                                                    | 24-13801  | 24-61 TASK 805 |
|            |                                                                                    | 24-13815  | 24-61 TASK 806 |
|            |                                                                                    | 31-50007  | 31-44 TASK 821 |
|            |                                                                                    | 31-50008  | 31-44 TASK 822 |
|            |                                                                                    | 31-50013  | 31-44 TASK 803 |
|            |                                                                                    | 31-50014  | 31-44 TASK 803 |
|            |                                                                                    | 31-50017  | 31-44 TASK 823 |
|            |                                                                                    | 31-50018  | 31-44 TASK 824 |
|            |                                                                                    | 31-50021  | 31-44 TASK 804 |
|            |                                                                                    | 31-50022  | 31-44 TASK 805 |
|            |                                                                                    | 31-50023  | 31-44 TASK 806 |
|            |                                                                                    | 31-50024  | 31-44 TASK 806 |
|            |                                                                                    | 31-50027  | 31-44 TASK 825 |
|            |                                                                                    | 31-50028  | 31-44 TASK 826 |
|            |                                                                                    | 31-50031  | 31-44 TASK 807 |
|            |                                                                                    | 31-50032  | 31-44 TASK 808 |
|            |                                                                                    | 31-50041  | 31-44 TASK 809 |
|            |                                                                                    | 31-50042  | 31-44 TASK 810 |
|            |                                                                                    | 31-50051  | 31-44 TASK 811 |
|            |                                                                                    | 31-50052  | 31-44 TASK 812 |
|            |                                                                                    | 31-50061  | 31-44 TASK 813 |
|            |                                                                                    | 31-50062  | 31-44 TASK 814 |
|            |                                                                                    | 31-50071  | 31-44 TASK 815 |
|            |                                                                                    | 31-50072  | 31-44 TASK 816 |

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|-------------------|------------------------------------------------------------------------------------|------------------|-----------------------|
| 314 001 00        | AIMS (EICAS STATUS)<br>Before you do any task listed here, see FIM 31-43 TASK 898. | (continued)      |                       |
|                   |                                                                                    | 31-50081         | 31-44 TASK 817        |
|                   |                                                                                    | 31-50082         | 31-44 TASK 818        |
|                   |                                                                                    | 31-50087         | 31-45 TASK 806        |
|                   |                                                                                    | 31-50088         | 31-45 TASK 807        |
|                   |                                                                                    | 31-50091         | 31-44 TASK 819        |
|                   |                                                                                    | 31-50092         | 31-44 TASK 820        |
|                   |                                                                                    | 31-50097         | 31-45 TASK 806        |
|                   |                                                                                    | 31-50098         | 31-45 TASK 807        |
|                   |                                                                                    | 31-50201         | 31-43 TASK 852        |
|                   |                                                                                    | 31-50202         | 31-43 TASK 853        |
|                   |                                                                                    | 31-50215         | 32-09 TASK 837        |
|                   |                                                                                    | 31-50216         | 32-09 TASK 837        |
|                   |                                                                                    | 31-50417         | 31-44 TASK 884        |
|                   |                                                                                    | 31-50418         | 31-44 TASK 885        |
|                   |                                                                                    | 31-50427         | 31-44 TASK 886        |
|                   |                                                                                    | 31-50428         | 31-44 TASK 887        |
|                   |                                                                                    | 31-50437         | 31-44 TASK 888        |
|                   |                                                                                    | 31-50438         | 31-44 TASK 889        |
|                   |                                                                                    | 31-50447         | 31-44 TASK 890        |
|                   |                                                                                    | 31-50448         | 31-44 TASK 891        |
|                   |                                                                                    | 31-50517         | 31-45 TASK 806        |
|                   |                                                                                    | 31-50518         | 31-45 TASK 807        |
|                   |                                                                                    | 31-50527         | 31-45 TASK 806        |
|                   |                                                                                    | 31-50528         | 31-45 TASK 807        |
|                   |                                                                                    | 31-50537         | 31-45 TASK 806        |
|                   |                                                                                    | 31-50538         | 31-45 TASK 807        |
|                   |                                                                                    | 31-50547         | 31-45 TASK 806        |
|                   |                                                                                    | 31-50548         | 31-45 TASK 807        |
|                   |                                                                                    | 31-51013         | 31-44 TASK 863        |
|                   |                                                                                    | 31-51014         | 31-44 TASK 864        |
|                   |                                                                                    | 31-51023         | 31-44 TASK 865        |
|                   |                                                                                    | 31-51024         | 31-44 TASK 866        |
|                   |                                                                                    | 31-51033         | 31-44 TASK 869        |

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|-------------------|----------------------------------------------------------------------------------------|------------------|-----------------------|
| 314 001 00        | AIMS (EICAS STATUS)<br><br>Before you do any task listed here, see FIM 31-43 TASK 898. | (continued)      |                       |
|                   |                                                                                        | 31-51034         | 31-44 TASK 870        |
|                   |                                                                                        | 31-51043         | 31-44 TASK 871        |
|                   |                                                                                        | 31-51044         | 31-44 TASK 872        |
|                   |                                                                                        | 31-51141         | 31-44 TASK 827        |
|                   |                                                                                        | 31-51142         | 31-44 TASK 828        |
|                   |                                                                                        | 31-51143         | 31-44 TASK 831        |
|                   |                                                                                        | 31-51144         | 31-44 TASK 832        |
|                   |                                                                                        | 31-51341         | 31-44 TASK 833        |
|                   |                                                                                        | 31-51342         | 31-44 TASK 834        |
|                   |                                                                                        | 31-51343         | 31-44 TASK 835        |
|                   |                                                                                        | 31-51344         | 31-44 TASK 836        |
|                   |                                                                                        | 31-51531         | 31-44 TASK 837        |
|                   |                                                                                        | 31-51532         | 31-44 TASK 838        |
|                   |                                                                                        | 31-51533         | 31-44 TASK 839        |
|                   |                                                                                        | 31-51534         | 31-44 TASK 840        |
|                   |                                                                                        | 31-51731         | 31-44 TASK 841        |
|                   |                                                                                        | 31-51732         | 31-44 TASK 842        |
|                   |                                                                                        | 31-51733         | 31-44 TASK 843        |
|                   |                                                                                        | 31-51734         | 31-44 TASK 844        |
|                   |                                                                                        | 31-52013         | 31-43 TASK 866        |
|                   |                                                                                        | 31-52014         | 31-43 TASK 867        |
|                   |                                                                                        | 31-52101         | 31-41 TASK 817        |
|                   |                                                                                        | 31-52112         | 31-41 TASK 820        |
|                   |                                                                                        | 31-52121         | 31-41 TASK 821        |
|                   |                                                                                        | 31-52122         | 31-41 TASK 822        |
|                   |                                                                                        | 31-54013         | 31-43 TASK 868        |
|                   |                                                                                        | 31-54014         | 31-43 TASK 869        |
|                   |                                                                                        | 31-54101         | 31-41 TASK 834        |
|                   |                                                                                        | 31-54102         | 31-41 TASK 835        |
|                   |                                                                                        | 31-54121         | 31-41 TASK 838        |
|                   |                                                                                        | 31-54122         | 31-41 TASK 839        |
|                   |                                                                                        | 31-56013         | 31-43 TASK 870        |
|                   |                                                                                        | 31-56014         | 31-43 TASK 871        |

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|-------------------|------------------------------------------------------------------------------------|------------------|-----------------------|
| 314 001 00        | AIMS (EICAS STATUS)<br>Before you do any task listed here, see FIM 31-43 TASK 898. | (continued)      |                       |
|                   |                                                                                    | 31-56102         | 31-41 TASK 845        |
|                   |                                                                                    | 31-56111         | 31-41 TASK 846        |
|                   |                                                                                    | 31-56121         | 31-41 TASK 848        |
|                   |                                                                                    | 31-56122         | 31-41 TASK 849        |
|                   |                                                                                    | 31-58013         | 31-43 TASK 872        |
|                   |                                                                                    | 31-58014         | 31-43 TASK 873        |
|                   |                                                                                    | 31-58101         | 31-41 TASK 852        |
|                   |                                                                                    | 31-58102         | 31-41 TASK 853        |
|                   |                                                                                    | 31-58121         | 31-41 TASK 856        |
|                   |                                                                                    | 31-58122         | 31-41 TASK 857        |
|                   |                                                                                    | 31-61011         | 31-43 TASK 861        |
|                   |                                                                                    | 31-61012         | 31-43 TASK 862        |
|                   |                                                                                    | 31-61020         | 31-43 TASK 863        |
|                   |                                                                                    | 31-61111         | 31-43 TASK 856        |
|                   |                                                                                    | 31-61112         | 31-43 TASK 856        |
|                   |                                                                                    | 31-61113         | 31-43 TASK 856        |
|                   |                                                                                    | 31-61114         | 31-43 TASK 856        |
|                   |                                                                                    | 31-61115         | 31-43 TASK 856        |
|                   |                                                                                    | 31-61116         | 31-43 TASK 856        |
|                   |                                                                                    | 31-61117         | 31-43 TASK 856        |
|                   |                                                                                    | 31-61118         | 31-43 TASK 856        |
|                   |                                                                                    | 31-61211         | 31-43 TASK 864        |
|                   |                                                                                    | 31-61212         | 31-43 TASK 874        |
|                   |                                                                                    | 31-61213         | 31-43 TASK 864        |
|                   |                                                                                    | 31-61214         | 31-43 TASK 874        |
|                   |                                                                                    | 31-61215         | 31-43 TASK 874        |
|                   |                                                                                    | 31-61216         | 31-43 TASK 864        |
|                   |                                                                                    | 31-61217         | 31-43 TASK 874        |
|                   |                                                                                    | 31-61218         | 31-43 TASK 864        |
|                   |                                                                                    | 31-62011         | 31-43 TASK 843        |
|                   |                                                                                    | 31-62012         | 31-43 TASK 844        |
|                   |                                                                                    | 31-62020         | 31-43 TASK 845        |
|                   |                                                                                    | 31-62211         | 31-43 TASK 864        |

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|-------------------|------------------------------------------------------------------------------------|------------------|-----------------------|
| 314 001 00        | AIMS (EICAS STATUS)<br>Before you do any task listed here, see FIM 31-43 TASK 898. | (continued)      |                       |
|                   |                                                                                    | 31-62212         | 31-43 TASK 874        |
|                   |                                                                                    | 31-62213         | 31-43 TASK 864        |
|                   |                                                                                    | 31-62214         | 31-43 TASK 874        |
|                   |                                                                                    | 31-62215         | 31-43 TASK 874        |
|                   |                                                                                    | 31-62216         | 31-43 TASK 864        |
|                   |                                                                                    | 31-62217         | 31-43 TASK 874        |
|                   |                                                                                    | 31-62218         | 31-43 TASK 864        |
|                   |                                                                                    | 31-68801         | 31-43 TASK 892        |
|                   |                                                                                    | 31-68802         | 31-43 TASK 893        |
| 314 011 00        | GROUND TEST ENABLE (EICAS STATUS)                                                  |                  | 31-61 TASK 943        |
| 314 021 00        | DISPLAY PROCESSING (EICAS STATUS)                                                  | 24-11787         | 24-32 TASK 817        |
|                   |                                                                                    | 24-12051         | 24-32 TASK 819        |
|                   |                                                                                    | 24-12056         | 24-32 TASK 820        |
|                   |                                                                                    | 24-13815         | 24-61 TASK 806        |
|                   |                                                                                    | 31-50011         | 31-44 TASK 801        |
|                   |                                                                                    | 31-50012         | 31-44 TASK 802        |
|                   |                                                                                    | 31-50017         | 31-44 TASK 823        |
|                   |                                                                                    | 31-50018         | 31-44 TASK 824        |
|                   |                                                                                    | 31-50027         | 31-44 TASK 825        |
|                   |                                                                                    | 31-50028         | 31-44 TASK 826        |
|                   |                                                                                    | 31-50087         | 31-45 TASK 806        |
|                   |                                                                                    | 31-50088         | 31-45 TASK 807        |
|                   |                                                                                    | 31-50091         | 31-44 TASK 819        |
|                   |                                                                                    | 31-50092         | 31-44 TASK 820        |
|                   |                                                                                    | 31-50097         | 31-45 TASK 806        |
|                   |                                                                                    | 31-50098         | 31-45 TASK 807        |
|                   |                                                                                    | 31-50201         | 31-43 TASK 852        |
|                   |                                                                                    | 31-50202         | 31-43 TASK 853        |
|                   |                                                                                    | 31-50417         | 31-44 TASK 884        |
|                   |                                                                                    | 31-50418         | 31-44 TASK 885        |
|                   |                                                                                    | 31-50427         | 31-44 TASK 886        |
|                   |                                                                                    | 31-50428         | 31-44 TASK 887        |
|                   |                                                                                    | 31-50437         | 31-44 TASK 888        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 314 021 00        | DISPLAY PROCESSING (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 31-50438         | 31-44 TASK 889        |
|                   |                                   | 31-50447         | 31-44 TASK 890        |
|                   |                                   | 31-50448         | 31-44 TASK 891        |
|                   |                                   | 31-50517         | 31-45 TASK 806        |
|                   |                                   | 31-50518         | 31-45 TASK 807        |
|                   |                                   | 31-50527         | 31-45 TASK 806        |
|                   |                                   | 31-50528         | 31-45 TASK 807        |
|                   |                                   | 31-50537         | 31-45 TASK 806        |
|                   |                                   | 31-50538         | 31-45 TASK 807        |
|                   |                                   | 31-50547         | 31-45 TASK 806        |
|                   |                                   | 31-50548         | 31-45 TASK 807        |
|                   |                                   | 31-51033         | 31-44 TASK 869        |
|                   |                                   | 31-51034         | 31-44 TASK 870        |
|                   |                                   | 31-51035         | 31-43 TASK 805        |
|                   |                                   | 31-51036         | 31-43 TASK 806        |
|                   |                                   | 31-51037         | 31-43 TASK 805        |
|                   |                                   | 31-51038         | 31-43 TASK 806        |
|                   |                                   | 31-51043         | 31-44 TASK 871        |
|                   |                                   | 31-51044         | 31-44 TASK 872        |
|                   |                                   | 31-51045         | 31-43 TASK 807        |
|                   |                                   | 31-51046         | 31-43 TASK 808        |
|                   |                                   | 31-51047         | 31-43 TASK 807        |
|                   |                                   | 31-51048         | 31-43 TASK 808        |
|                   |                                   | 31-51517         | 31-44 TASK 861        |
|                   |                                   | 31-51518         | 31-44 TASK 862        |
|                   |                                   | 31-51527         | 31-44 TASK 857        |
|                   |                                   | 31-51528         | 31-44 TASK 858        |
|                   |                                   | 31-51561         | 31-61 TASK 940        |
|                   |                                   | 31-51562         | 31-61 TASK 802        |
|                   |                                   | 31-51563         | 31-61 TASK 803        |
|                   |                                   | 31-51564         | 31-61 TASK 804        |
|                   |                                   | 31-51571         | 31-61 TASK 940        |
|                   |                                   | 31-51572         | 31-61 TASK 802        |
|                   |                                   | 31-51573         | 31-61 TASK 803        |
|                   |                                   | 31-51574         | 31-61 TASK 804        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 314 021 00        | DISPLAY PROCESSING (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 31-51717         | 31-44 TASK 861        |
|                   |                                   | 31-51718         | 31-44 TASK 862        |
|                   |                                   | 31-51727         | 31-44 TASK 859        |
|                   |                                   | 31-51728         | 31-44 TASK 860        |
|                   |                                   | 31-51761         | 31-61 TASK 805        |
|                   |                                   | 31-51762         | 31-61 TASK 806        |
|                   |                                   | 31-51763         | 31-61 TASK 807        |
|                   |                                   | 31-51764         | 31-61 TASK 808        |
|                   |                                   | 31-51771         | 31-61 TASK 805        |
|                   |                                   | 31-51772         | 31-61 TASK 806        |
|                   |                                   | 31-51773         | 31-61 TASK 807        |
|                   |                                   | 31-51774         | 31-61 TASK 808        |
|                   |                                   | 31-68801         | 31-43 TASK 892        |
|                   |                                   | 31-68802         | 31-43 TASK 893        |
|                   |                                   | 31-80020         | 31-61 TASK 829        |
|                   |                                   | 31-81011         | 31-61 TASK 811        |
|                   |                                   | 31-81012         | 31-61 TASK 812        |
|                   |                                   | 31-81041         | 31-61 TASK 803        |
|                   |                                   | 31-81042         | 31-61 TASK 804        |
|                   |                                   | 31-81051         | 31-61 TASK 940        |
|                   |                                   | 31-81052         | 31-61 TASK 802        |
|                   |                                   | 31-81081         | 31-61 TASK 813        |
|                   |                                   | 31-81082         | 31-61 TASK 830        |
|                   |                                   | 31-82011         | 31-61 TASK 814        |
|                   |                                   | 31-82012         | 31-61 TASK 831        |
|                   |                                   | 31-82041         | 31-61 TASK 807        |
|                   |                                   | 31-82042         | 31-61 TASK 808        |
|                   |                                   | 31-82051         | 31-61 TASK 805        |
|                   |                                   | 31-82052         | 31-61 TASK 806        |
|                   |                                   | 31-82081         | 31-61 TASK 815        |
|                   |                                   | 31-82082         | 31-61 TASK 832        |
|                   |                                   | 31-83111         | 31-61 TASK 905        |
|                   |                                   | 31-83112         | 31-61 TASK 906        |
|                   |                                   | 31-83113         | 31-61 TASK 867        |
|                   |                                   | 31-83114         | 31-61 TASK 907        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 314 021 00        | DISPLAY PROCESSING (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 31-83121         | 31-61 TASK 867        |
|                   |                                   | 31-83122         | 31-61 TASK 908        |
|                   |                                   | 31-83123         | 31-61 TASK 909        |
|                   |                                   | 31-83124         | 31-61 TASK 910        |
|                   |                                   | 31-83131         | 31-61 TASK 911        |
|                   |                                   | 31-83132         | 31-61 TASK 912        |
|                   |                                   | 31-83133         | 31-61 TASK 913        |
|                   |                                   | 31-83134         | 31-61 TASK 869        |
|                   |                                   | 31-83141         | 31-61 TASK 914        |
|                   |                                   | 31-83142         | 31-61 TASK 869        |
|                   |                                   | 31-83143         | 31-61 TASK 915        |
|                   |                                   | 31-83144         | 31-61 TASK 916        |
| 314 022 00        | DISPLAY INTERFACE (EICAS STATUS)  | 23-81001         | 23-91 TASK 801        |
|                   |                                   | 23-81002         | 23-91 TASK 802        |
|                   |                                   | 23-81003         | 23-91 TASK 803        |
|                   |                                   | 23-81004         | 23-91 TASK 804        |
|                   |                                   | 23-81005         | 23-91 TASK 805        |
|                   |                                   | 23-81006         | 23-91 TASK 806        |
|                   |                                   | 23-81007         | 23-91 TASK 807        |
|                   |                                   | 24-11787         | 24-32 TASK 817        |
|                   |                                   | 24-12051         | 24-32 TASK 819        |
|                   |                                   | 24-12056         | 24-32 TASK 820        |
|                   |                                   | 24-13815         | 24-61 TASK 806        |
|                   |                                   | 31-50017         | 31-44 TASK 823        |
|                   |                                   | 31-50018         | 31-44 TASK 824        |
|                   |                                   | 31-50027         | 31-44 TASK 825        |
|                   |                                   | 31-50028         | 31-44 TASK 826        |
|                   |                                   | 31-50087         | 31-45 TASK 806        |
|                   |                                   | 31-50088         | 31-45 TASK 807        |
|                   |                                   | 31-50097         | 31-45 TASK 806        |
|                   |                                   | 31-50098         | 31-45 TASK 807        |
|                   |                                   | 31-50201         | 31-43 TASK 852        |
|                   |                                   | 31-50202         | 31-43 TASK 853        |
|                   |                                   | 31-50417         | 31-44 TASK 884        |
|                   |                                   | 31-50418         | 31-44 TASK 885        |

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|-------------------|----------------------------------|------------------|-----------------------|
| 314 022 00        | DISPLAY INTERFACE (EICAS STATUS) | (continued)      |                       |
|                   |                                  | 31-50427         | 31-44 TASK 886        |
|                   |                                  | 31-50428         | 31-44 TASK 887        |
|                   |                                  | 31-50437         | 31-44 TASK 888        |
|                   |                                  | 31-50438         | 31-44 TASK 889        |
|                   |                                  | 31-50447         | 31-44 TASK 890        |
|                   |                                  | 31-50448         | 31-44 TASK 891        |
|                   |                                  | 31-50517         | 31-45 TASK 806        |
|                   |                                  | 31-50518         | 31-45 TASK 807        |
|                   |                                  | 31-50527         | 31-45 TASK 806        |
|                   |                                  | 31-50528         | 31-45 TASK 807        |
|                   |                                  | 31-50537         | 31-45 TASK 806        |
|                   |                                  | 31-50538         | 31-45 TASK 807        |
|                   |                                  | 31-50547         | 31-45 TASK 806        |
|                   |                                  | 31-50548         | 31-45 TASK 807        |
|                   |                                  | 31-52013         | 31-43 TASK 866        |
|                   |                                  | 31-52014         | 31-43 TASK 867        |
|                   |                                  | 31-52015         | 31-44 TASK 845        |
|                   |                                  | 31-52016         | 31-44 TASK 846        |
|                   |                                  | 31-52101         | 31-41 TASK 817        |
|                   |                                  | 31-52112         | 31-41 TASK 820        |
|                   |                                  | 31-52114         | 31-45 TASK 809        |
|                   |                                  | 31-52117         | 31-44 TASK 855        |
|                   |                                  | 31-52118         | 31-44 TASK 856        |
|                   |                                  | 31-52121         | 31-41 TASK 821        |
|                   |                                  | 31-52122         | 31-41 TASK 822        |
|                   |                                  | 31-52127         | 31-44 TASK 857        |
|                   |                                  | 31-52128         | 31-44 TASK 858        |
|                   |                                  | 31-52301         | 31-41 TASK 914        |
|                   |                                  | 31-52302         | 31-41 TASK 915        |
|                   |                                  | 31-52331         | 31-41 TASK 914        |
|                   |                                  | 31-52332         | 31-41 TASK 915        |
|                   |                                  | 31-52341         | 31-41 TASK 914        |
|                   |                                  | 31-52351         | 31-41 TASK 914        |
|                   |                                  | 31-52352         | 31-41 TASK 915        |
|                   |                                  | 31-52361         | 31-41 TASK 914        |

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|-------------------|----------------------------------|------------------|-----------------------|
| 314 022 00        | DISPLAY INTERFACE (EICAS STATUS) | (continued)      |                       |
|                   |                                  | 31-52362         | 31-41 TASK 915        |
|                   |                                  | 31-52371         | 31-41 TASK 914        |
|                   |                                  | 31-52372         | 31-41 TASK 915        |
|                   |                                  | 31-52381         | 31-41 TASK 914        |
|                   |                                  | 31-52382         | 31-41 TASK 915        |
|                   |                                  | 31-52391         | 31-41 TASK 914        |
|                   |                                  | 31-52392         | 31-41 TASK 915        |
|                   |                                  | 31-52402         | 31-41 TASK 915        |
|                   |                                  | 31-52411         | 31-41 TASK 914        |
|                   |                                  | 31-52412         | 31-41 TASK 915        |
|                   |                                  | 31-52421         | 31-41 TASK 914        |
|                   |                                  | 31-52422         | 31-41 TASK 915        |
|                   |                                  | 31-52431         | 31-41 TASK 914        |
|                   |                                  | 31-52432         | 31-41 TASK 915        |
|                   |                                  | 31-52441         | 31-41 TASK 914        |
|                   |                                  | 31-52442         | 31-41 TASK 915        |
|                   |                                  | 31-52451         | 31-41 TASK 914        |
|                   |                                  | 31-52452         | 31-41 TASK 918        |
|                   |                                  | 31-52461         | 31-41 TASK 914        |
|                   |                                  | 31-52462         | 31-41 TASK 915        |
|                   |                                  | 31-52501         | 31-43 TASK 809        |
|                   |                                  | 31-52502         | 31-43 TASK 810        |
|                   |                                  | 31-52531         | 31-43 TASK 813        |
|                   |                                  | 31-52532         | 31-43 TASK 814        |
|                   |                                  | 31-52541         | 31-43 TASK 815        |
|                   |                                  | 31-52542         | 31-43 TASK 816        |
|                   |                                  | 31-52601         | 31-41 TASK 832        |
|                   |                                  | 31-52602         | 31-41 TASK 833        |
|                   |                                  | 31-53312         | 31-41 TASK 951        |
|                   |                                  | 31-53321         | 31-41 TASK 959        |
|                   |                                  | 31-53322         | 31-41 TASK 960        |
|                   |                                  | 31-53351         | 31-41 TASK 952        |
|                   |                                  | 31-53401         | 31-41 TASK 832        |
|                   |                                  | 31-53402         | 31-41 TASK 833        |
|                   |                                  | 31-53701         | 31-41 TASK 832        |

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|-------------------|----------------------------------|------------------|-----------------------|
| 314 022 00        | DISPLAY INTERFACE (EICAS STATUS) | (continued)      |                       |
|                   |                                  | 31-53702         | 31-41 TASK 833        |
|                   |                                  | 31-53711         | 31-41 TASK 832        |
|                   |                                  | 31-53712         | 31-41 TASK 833        |
|                   |                                  | 31-53721         | 31-41 TASK 832        |
|                   |                                  | 31-53722         | 31-41 TASK 833        |
|                   |                                  | 31-53731         | 31-41 TASK 832        |
|                   |                                  | 31-53732         | 31-41 TASK 833        |
|                   |                                  | 31-54013         | 31-43 TASK 868        |
|                   |                                  | 31-54014         | 31-43 TASK 869        |
|                   |                                  | 31-54015         | 31-44 TASK 847        |
|                   |                                  | 31-54016         | 31-44 TASK 848        |
|                   |                                  | 31-54101         | 31-41 TASK 834        |
|                   |                                  | 31-54102         | 31-41 TASK 835        |
|                   |                                  | 31-54117         | 31-44 TASK 855        |
|                   |                                  | 31-54118         | 31-44 TASK 856        |
|                   |                                  | 31-54121         | 31-41 TASK 838        |
|                   |                                  | 31-54122         | 31-41 TASK 839        |
|                   |                                  | 31-54127         | 31-44 TASK 859        |
|                   |                                  | 31-54128         | 31-44 TASK 860        |
|                   |                                  | 31-54241         | 31-41 TASK 916        |
|                   |                                  | 31-54242         | 31-41 TASK 917        |
|                   |                                  | 31-54251         | 31-41 TASK 918        |
|                   |                                  | 31-54262         | 31-41 TASK 917        |
|                   |                                  | 31-54271         | 31-41 TASK 916        |
|                   |                                  | 31-54272         | 31-41 TASK 917        |
|                   |                                  | 31-54311         | 31-41 TASK 916        |
|                   |                                  | 31-54331         | 31-41 TASK 916        |
|                   |                                  | 31-54332         | 31-41 TASK 917        |
|                   |                                  | 31-54341         | 31-41 TASK 916        |
|                   |                                  | 31-54351         | 31-41 TASK 916        |
|                   |                                  | 31-54352         | 31-41 TASK 917        |
|                   |                                  | 31-54361         | 31-41 TASK 916        |
|                   |                                  | 31-54362         | 31-41 TASK 917        |
|                   |                                  | 31-54371         | 31-41 TASK 916        |
|                   |                                  | 31-54372         | 31-41 TASK 917        |

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|-------------------|----------------------------------|------------------|-----------------------|
| 314 022 00        | DISPLAY INTERFACE (EICAS STATUS) | (continued)      |                       |
|                   |                                  | 31-54381         | 31-41 TASK 916        |
|                   |                                  | 31-54382         | 31-41 TASK 917        |
|                   |                                  | 31-54391         | 31-41 TASK 916        |
|                   |                                  | 31-54392         | 31-41 TASK 917        |
|                   |                                  | 31-54402         | 31-41 TASK 917        |
|                   |                                  | 31-54411         | 31-41 TASK 916        |
|                   |                                  | 31-54412         | 31-41 TASK 917        |
|                   |                                  | 31-54421         | 31-41 TASK 916        |
|                   |                                  | 31-54422         | 31-41 TASK 917        |
|                   |                                  | 31-54431         | 31-41 TASK 916        |
|                   |                                  | 31-54432         | 31-41 TASK 917        |
|                   |                                  | 31-54441         | 31-41 TASK 916        |
|                   |                                  | 31-54442         | 31-41 TASK 917        |
|                   |                                  | 31-54451         | 31-41 TASK 916        |
|                   |                                  | 31-54452         | 31-41 TASK 918        |
|                   |                                  | 31-54461         | 31-41 TASK 916        |
|                   |                                  | 31-54462         | 31-41 TASK 917        |
|                   |                                  | 31-54501         | 31-43 TASK 854        |
|                   |                                  | 31-54502         | 31-43 TASK 854        |
|                   |                                  | 31-54601         | 31-41 TASK 840        |
|                   |                                  | 31-54602         | 31-41 TASK 841        |
|                   |                                  | 31-55321         | 31-41 TASK 963        |
|                   |                                  | 31-55322         | 31-41 TASK 964        |
|                   |                                  | 31-55401         | 31-41 TASK 840        |
|                   |                                  | 31-55402         | 31-41 TASK 841        |
|                   |                                  | 31-55701         | 31-41 TASK 840        |
|                   |                                  | 31-55702         | 31-41 TASK 841        |
|                   |                                  | 31-55711         | 31-41 TASK 840        |
|                   |                                  | 31-55712         | 31-41 TASK 841        |
|                   |                                  | 31-55721         | 31-41 TASK 840        |
|                   |                                  | 31-55722         | 31-41 TASK 841        |
|                   |                                  | 31-55731         | 31-41 TASK 840        |
|                   |                                  | 31-55732         | 31-41 TASK 841        |
|                   |                                  | 31-56013         | 31-43 TASK 870        |
|                   |                                  | 31-56014         | 31-43 TASK 871        |

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|-------------------|----------------------------------|------------------|-----------------------|
| 314 022 00        | DISPLAY INTERFACE (EICAS STATUS) | (continued)      |                       |
|                   |                                  | 31-56015         | 31-44 TASK 849        |
|                   |                                  | 31-56016         | 31-44 TASK 850        |
|                   |                                  | 31-56102         | 31-41 TASK 845        |
|                   |                                  | 31-56104         | 31-45 TASK 811        |
|                   |                                  | 31-56111         | 31-41 TASK 846        |
|                   |                                  | 31-56113         | 31-41 TASK 991        |
|                   |                                  | 31-56117         | 31-44 TASK 861        |
|                   |                                  | 31-56118         | 31-44 TASK 862        |
|                   |                                  | 31-56121         | 31-41 TASK 848        |
|                   |                                  | 31-56122         | 31-41 TASK 849        |
|                   |                                  | 31-56127         | 31-44 TASK 857        |
|                   |                                  | 31-56128         | 31-44 TASK 858        |
|                   |                                  | 31-56231         | 31-41 TASK 919        |
|                   |                                  | 31-56261         | 31-41 TASK 919        |
|                   |                                  | 31-56272         | 31-41 TASK 920        |
|                   |                                  | 31-56292         | 31-41 TASK 918        |
|                   |                                  | 31-56301         | 31-41 TASK 918        |
|                   |                                  | 31-56321         | 31-41 TASK 919        |
|                   |                                  | 31-56331         | 31-41 TASK 919        |
|                   |                                  | 31-56332         | 31-41 TASK 920        |
|                   |                                  | 31-56341         | 31-41 TASK 919        |
|                   |                                  | 31-56351         | 31-41 TASK 919        |
|                   |                                  | 31-56352         | 31-41 TASK 920        |
|                   |                                  | 31-56362         | 31-41 TASK 920        |
|                   |                                  | 31-56371         | 31-41 TASK 919        |
|                   |                                  | 31-56372         | 31-41 TASK 920        |
|                   |                                  | 31-56381         | 31-41 TASK 919        |
|                   |                                  | 31-56382         | 31-41 TASK 918        |
|                   |                                  | 31-56391         | 31-41 TASK 919        |
|                   |                                  | 31-56392         | 31-41 TASK 920        |
|                   |                                  | 31-56401         | 31-41 TASK 919        |
|                   |                                  | 31-56402         | 31-41 TASK 920        |
|                   |                                  | 31-56411         | 31-41 TASK 919        |
|                   |                                  | 31-56412         | 31-41 TASK 920        |
|                   |                                  | 31-56421         | 31-41 TASK 919        |

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|-------------------|----------------------------------|------------------|-----------------------|
| 314 022 00        | DISPLAY INTERFACE (EICAS STATUS) | (continued)      |                       |
|                   |                                  | 31-56422         | 31-41 TASK 920        |
|                   |                                  | 31-56431         | 31-41 TASK 919        |
|                   |                                  | 31-56432         | 31-41 TASK 920        |
|                   |                                  | 31-56441         | 31-41 TASK 918        |
|                   |                                  | 31-56442         | 31-41 TASK 920        |
|                   |                                  | 31-56451         | 31-41 TASK 918        |
|                   |                                  | 31-56452         | 31-41 TASK 920        |
|                   |                                  | 31-56461         | 31-41 TASK 919        |
|                   |                                  | 31-56462         | 31-41 TASK 920        |
|                   |                                  | 31-56501         | 31-43 TASK 854        |
|                   |                                  | 31-56502         | 31-43 TASK 854        |
|                   |                                  | 31-56601         | 31-41 TASK 842        |
|                   |                                  | 31-56602         | 31-41 TASK 843        |
|                   |                                  | 31-57321         | 31-41 TASK 926        |
|                   |                                  | 31-57322         | 31-41 TASK 927        |
|                   |                                  | 31-57401         | 31-41 TASK 842        |
|                   |                                  | 31-57402         | 31-41 TASK 843        |
|                   |                                  | 31-57701         | 31-41 TASK 842        |
|                   |                                  | 31-57702         | 31-41 TASK 843        |
|                   |                                  | 31-57711         | 31-41 TASK 842        |
|                   |                                  | 31-57712         | 31-41 TASK 843        |
|                   |                                  | 31-57721         | 31-41 TASK 842        |
|                   |                                  | 31-57722         | 31-41 TASK 843        |
|                   |                                  | 31-57731         | 31-41 TASK 842        |
|                   |                                  | 31-57732         | 31-41 TASK 843        |
|                   |                                  | 31-58013         | 31-43 TASK 872        |
|                   |                                  | 31-58014         | 31-43 TASK 873        |
|                   |                                  | 31-58015         | 31-44 TASK 851        |
|                   |                                  | 31-58016         | 31-44 TASK 852        |
|                   |                                  | 31-58101         | 31-41 TASK 852        |
|                   |                                  | 31-58102         | 31-41 TASK 853        |
|                   |                                  | 31-58111         | 31-41 TASK 854        |
|                   |                                  | 31-58112         | 31-41 TASK 855        |
|                   |                                  | 31-58117         | 31-44 TASK 861        |
|                   |                                  | 31-58118         | 31-44 TASK 862        |

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|-------------------|----------------------------------|------------------|-----------------------|
| 314 022 00        | DISPLAY INTERFACE (EICAS STATUS) | (continued)      |                       |
|                   |                                  | 31-58121         | 31-41 TASK 856        |
|                   |                                  | 31-58122         | 31-41 TASK 857        |
|                   |                                  | 31-58127         | 31-44 TASK 859        |
|                   |                                  | 31-58128         | 31-44 TASK 860        |
|                   |                                  | 31-58211         | 31-41 TASK 921        |
|                   |                                  | 31-58212         | 31-41 TASK 922        |
|                   |                                  | 31-58241         | 31-41 TASK 921        |
|                   |                                  | 31-58242         | 31-41 TASK 922        |
|                   |                                  | 31-58251         | 31-41 TASK 921        |
|                   |                                  | 31-58252         | 31-41 TASK 922        |
|                   |                                  | 31-58282         | 31-41 TASK 922        |
|                   |                                  | 31-58292         | 31-41 TASK 918        |
|                   |                                  | 31-58331         | 31-41 TASK 921        |
|                   |                                  | 31-58332         | 31-41 TASK 922        |
|                   |                                  | 31-58341         | 31-41 TASK 921        |
|                   |                                  | 31-58351         | 31-41 TASK 921        |
|                   |                                  | 31-58352         | 31-41 TASK 922        |
|                   |                                  | 31-58362         | 31-41 TASK 922        |
|                   |                                  | 31-58371         | 31-41 TASK 921        |
|                   |                                  | 31-58372         | 31-41 TASK 922        |
|                   |                                  | 31-58381         | 31-41 TASK 921        |
|                   |                                  | 31-58382         | 31-41 TASK 918        |
|                   |                                  | 31-58391         | 31-41 TASK 921        |
|                   |                                  | 31-58392         | 31-41 TASK 922        |
|                   |                                  | 31-58401         | 31-41 TASK 921        |
|                   |                                  | 31-58402         | 31-41 TASK 922        |
|                   |                                  | 31-58411         | 31-41 TASK 921        |
|                   |                                  | 31-58412         | 31-41 TASK 922        |
|                   |                                  | 31-58421         | 31-41 TASK 921        |
|                   |                                  | 31-58422         | 31-41 TASK 922        |
|                   |                                  | 31-58431         | 31-41 TASK 921        |
|                   |                                  | 31-58432         | 31-41 TASK 922        |
|                   |                                  | 31-58441         | 31-41 TASK 918        |
|                   |                                  | 31-58442         | 31-41 TASK 922        |
|                   |                                  | 31-58451         | 31-41 TASK 918        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 314 022 00        | DISPLAY INTERFACE (EICAS STATUS)    | (continued)      |                       |
|                   |                                     | 31-58452         | 31-41 TASK 922        |
|                   |                                     | 31-58461         | 31-41 TASK 921        |
|                   |                                     | 31-58462         | 31-41 TASK 922        |
|                   |                                     | 31-58601         | 31-41 TASK 992        |
|                   |                                     | 31-58602         | 31-41 TASK 993        |
|                   |                                     | 31-59321         | 31-41 TASK 953        |
|                   |                                     | 31-59322         | 31-41 TASK 954        |
|                   |                                     | 31-59351         | 31-41 TASK 955        |
|                   |                                     | 31-59352         | 31-41 TASK 956        |
|                   |                                     | 31-59401         | 31-41 TASK 992        |
|                   |                                     | 31-59402         | 31-41 TASK 993        |
|                   |                                     | 31-59701         | 31-41 TASK 858        |
|                   |                                     | 31-59702         | 31-41 TASK 859        |
|                   |                                     | 31-59712         | 31-41 TASK 859        |
|                   |                                     | 31-59721         | 31-41 TASK 858        |
|                   |                                     | 31-59722         | 31-41 TASK 859        |
|                   |                                     | 31-59731         | 31-41 TASK 858        |
|                   |                                     | 31-59732         | 31-41 TASK 859        |
| 314 023 00        | DISPLAY INTERCABINET (EICAS STATUS) | 31-50101         | 31-43 TASK 865        |
|                   |                                     | 31-50102         | 31-43 TASK 865        |
|                   |                                     | 31-50111         | 31-43 TASK 865        |
|                   |                                     | 31-50112         | 31-43 TASK 865        |
|                   |                                     | 31-50121         | 31-43 TASK 865        |
|                   |                                     | 31-50122         | 31-43 TASK 865        |
|                   |                                     | 31-50131         | 31-43 TASK 865        |
|                   |                                     | 31-50132         | 31-43 TASK 865        |
|                   |                                     | 31-50191         | 31-43 TASK 875        |
|                   |                                     | 31-50192         | 31-43 TASK 875        |
|                   |                                     | 31-52013         | 31-43 TASK 866        |
|                   |                                     | 31-52014         | 31-43 TASK 867        |
|                   |                                     | 31-52102         | 31-41 TASK 818        |
|                   |                                     | 31-52111         | 31-41 TASK 819        |
|                   |                                     | 31-54013         | 31-43 TASK 868        |
|                   |                                     | 31-54014         | 31-43 TASK 869        |
|                   |                                     | 31-54111         | 31-41 TASK 836        |

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| <b>FAULT CODE</b> | <b>FAULT DESCRIPTION</b>            | <b>MAINT MSG</b> | <b>GO TO FIM TASK</b> |
|-------------------|-------------------------------------|------------------|-----------------------|
| 314 023 00        | DISPLAY INTERCABINET (EICAS STATUS) | (continued)      |                       |
|                   |                                     | 31-54112         | 31-41 TASK 837        |
|                   |                                     | 31-56013         | 31-43 TASK 870        |
|                   |                                     | 31-56014         | 31-43 TASK 871        |
|                   |                                     | 31-56101         | 31-41 TASK 844        |
|                   |                                     | 31-56112         | 31-41 TASK 847        |
|                   |                                     | 31-56113         | 31-41 TASK 991        |
|                   |                                     | 31-56114         | 31-45 TASK 810        |
|                   |                                     | 31-58013         | 31-43 TASK 872        |
|                   |                                     | 31-58014         | 31-43 TASK 873        |
|                   |                                     | 31-58111         | 31-41 TASK 854        |
|                   |                                     | 31-58112         | 31-41 TASK 855        |
|                   |                                     | 31-68801         | 31-43 TASK 892        |
|                   |                                     | 31-68802         | 31-43 TASK 893        |
| 314 061 00        | AIMS CABINET BUS (EICAS STATUS)     | 24-11787         | 24-32 TASK 817        |
|                   |                                     | 24-12051         | 24-32 TASK 819        |
|                   |                                     | 24-12056         | 24-32 TASK 820        |
|                   |                                     | 24-13801         | 24-61 TASK 805        |
|                   |                                     | 24-13815         | 24-61 TASK 806        |
|                   |                                     | 31-50007         | 31-44 TASK 821        |
|                   |                                     | 31-50008         | 31-44 TASK 822        |
|                   |                                     | 31-50087         | 31-45 TASK 806        |
|                   |                                     | 31-50088         | 31-45 TASK 807        |
|                   |                                     | 31-50097         | 31-45 TASK 806        |
|                   |                                     | 31-50098         | 31-45 TASK 807        |
|                   |                                     | 31-50201         | 31-43 TASK 852        |
|                   |                                     | 31-50202         | 31-43 TASK 853        |
|                   |                                     | 31-50417         | 31-44 TASK 884        |
|                   |                                     | 31-50418         | 31-44 TASK 885        |
|                   |                                     | 31-50427         | 31-44 TASK 886        |
|                   |                                     | 31-50428         | 31-44 TASK 887        |
|                   |                                     | 31-50437         | 31-44 TASK 888        |
|                   |                                     | 31-50438         | 31-44 TASK 889        |
|                   |                                     | 31-50447         | 31-44 TASK 890        |
|                   |                                     | 31-50448         | 31-44 TASK 891        |
|                   |                                     | 31-50517         | 31-45 TASK 806        |

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| <b>FAULT CODE</b> | <b>FAULT DESCRIPTION</b>        | <b>MAINT MSG</b> | <b>GO TO FIM TASK</b> |
|-------------------|---------------------------------|------------------|-----------------------|
| 314 061 00        | AIMS CABINET BUS (EICAS STATUS) | (continued)      |                       |
|                   |                                 | 31-50518         | 31-45 TASK 807        |
|                   |                                 | 31-50527         | 31-45 TASK 806        |
|                   |                                 | 31-50528         | 31-45 TASK 807        |
|                   |                                 | 31-50537         | 31-45 TASK 806        |
|                   |                                 | 31-50538         | 31-45 TASK 807        |
|                   |                                 | 31-50539         | 31-44 TASK 898        |
|                   |                                 | 31-50540         | 31-44 TASK 899        |
|                   |                                 | 31-50547         | 31-45 TASK 806        |
|                   |                                 | 31-50548         | 31-45 TASK 807        |
|                   |                                 | 31-51013         | 31-44 TASK 863        |
|                   |                                 | 31-51014         | 31-44 TASK 864        |
|                   |                                 | 31-51023         | 31-44 TASK 865        |
|                   |                                 | 31-51024         | 31-44 TASK 866        |
|                   |                                 | 31-51033         | 31-44 TASK 869        |
|                   |                                 | 31-51034         | 31-44 TASK 870        |
|                   |                                 | 31-51043         | 31-44 TASK 871        |
|                   |                                 | 31-51044         | 31-44 TASK 872        |
|                   |                                 | 31-51117         | 31-44 TASK 855        |
|                   |                                 | 31-51118         | 31-44 TASK 856        |
|                   |                                 | 31-51127         | 31-44 TASK 857        |
|                   |                                 | 31-51128         | 31-44 TASK 858        |
|                   |                                 | 31-51317         | 31-44 TASK 855        |
|                   |                                 | 31-51318         | 31-44 TASK 856        |
|                   |                                 | 31-51517         | 31-44 TASK 861        |
|                   |                                 | 31-51518         | 31-44 TASK 862        |
|                   |                                 | 31-51527         | 31-44 TASK 857        |
|                   |                                 | 31-51528         | 31-44 TASK 858        |
|                   |                                 | 31-51717         | 31-44 TASK 861        |
|                   |                                 | 31-51718         | 31-44 TASK 862        |
|                   |                                 | 31-51727         | 31-44 TASK 859        |
|                   |                                 | 31-51728         | 31-44 TASK 860        |
|                   |                                 | 31-52013         | 31-43 TASK 866        |
|                   |                                 | 31-52014         | 31-43 TASK 867        |
|                   |                                 | 31-52025         | 31-44 TASK 892        |
|                   |                                 | 31-52026         | 31-44 TASK 893        |

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|-------------------|-----------------------------------------------------|------------------|-----------------------|
| 314 061 00        | AIMS CABINET BUS (EICAS STATUS)                     | (continued)      |                       |
|                   |                                                     | 31-52117         | 31-44 TASK 855        |
|                   |                                                     | 31-52118         | 31-44 TASK 856        |
|                   |                                                     | 31-52127         | 31-44 TASK 857        |
|                   |                                                     | 31-52128         | 31-44 TASK 858        |
|                   |                                                     | 31-54013         | 31-43 TASK 868        |
|                   |                                                     | 31-54014         | 31-43 TASK 869        |
|                   |                                                     | 31-54117         | 31-44 TASK 855        |
|                   |                                                     | 31-54118         | 31-44 TASK 856        |
|                   |                                                     | 31-54127         | 31-44 TASK 859        |
|                   |                                                     | 31-54128         | 31-44 TASK 860        |
|                   |                                                     | 31-56013         | 31-43 TASK 870        |
|                   |                                                     | 31-56014         | 31-43 TASK 871        |
|                   |                                                     | 31-56117         | 31-44 TASK 861        |
|                   |                                                     | 31-56118         | 31-44 TASK 862        |
|                   |                                                     | 31-56127         | 31-44 TASK 857        |
|                   |                                                     | 31-56128         | 31-44 TASK 858        |
|                   |                                                     | 31-58013         | 31-43 TASK 872        |
|                   |                                                     | 31-58014         | 31-43 TASK 873        |
|                   |                                                     | 31-58117         | 31-44 TASK 861        |
|                   |                                                     | 31-58118         | 31-44 TASK 862        |
|                   |                                                     | 31-58127         | 31-44 TASK 859        |
|                   |                                                     | 31-58128         | 31-44 TASK 860        |
| 314 450 00        | Scheduled maintenance task shows: AIMS CABINET LRM. | 23-81001         | 23-91 TASK 801        |
|                   |                                                     | 23-81002         | 23-91 TASK 802        |
|                   |                                                     | 23-81003         | 23-91 TASK 803        |
|                   |                                                     | 23-81004         | 23-91 TASK 804        |
|                   |                                                     | 23-81005         | 23-91 TASK 805        |
|                   |                                                     | 23-81006         | 23-91 TASK 806        |
|                   |                                                     | 23-81007         | 23-91 TASK 807        |
|                   |                                                     | 24-11780         | 24-53 TASK 805        |
|                   |                                                     | 24-11781         | 24-51 TASK 837        |
|                   |                                                     | 24-11786         | 24-51 TASK 833        |
|                   |                                                     | 24-11787         | 24-32 TASK 817        |
|                   |                                                     | 24-12051         | 24-32 TASK 819        |

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|-------------------|-----------------------------------------------------|------------------|-----------------------|
| 314 450 00        | Scheduled maintenance task shows: AIMS CABINET LRM. | (continued)      |                       |
|                   |                                                     | 24-12056         | 24-32 TASK 820        |
|                   |                                                     | 24-12124         | 24-51 TASK 840        |
|                   |                                                     | 24-12127         | 24-51 TASK 842        |
|                   |                                                     | 24-13801         | 24-61 TASK 805        |
|                   |                                                     | 24-13815         | 24-61 TASK 806        |
|                   |                                                     | 31-50007         | 31-44 TASK 821        |
|                   |                                                     | 31-50008         | 31-44 TASK 822        |
|                   |                                                     | 31-50017         | 31-44 TASK 823        |
|                   |                                                     | 31-50018         | 31-44 TASK 824        |
|                   |                                                     | 31-50027         | 31-44 TASK 825        |
|                   |                                                     | 31-50028         | 31-44 TASK 826        |
|                   |                                                     | 31-50087         | 31-45 TASK 806        |
|                   |                                                     | 31-50088         | 31-45 TASK 807        |
|                   |                                                     | 31-50097         | 31-45 TASK 806        |
|                   |                                                     | 31-50098         | 31-45 TASK 807        |
|                   |                                                     | 31-50201         | 31-43 TASK 852        |
|                   |                                                     | 31-50202         | 31-43 TASK 853        |
|                   |                                                     | 31-50417         | 31-44 TASK 884        |
|                   |                                                     | 31-50418         | 31-44 TASK 885        |
|                   |                                                     | 31-50427         | 31-44 TASK 886        |
|                   |                                                     | 31-50428         | 31-44 TASK 887        |
|                   |                                                     | 31-50437         | 31-44 TASK 888        |
|                   |                                                     | 31-50438         | 31-44 TASK 889        |
|                   |                                                     | 31-50447         | 31-44 TASK 890        |
|                   |                                                     | 31-50448         | 31-44 TASK 891        |
|                   |                                                     | 31-50517         | 31-45 TASK 806        |
|                   |                                                     | 31-50518         | 31-45 TASK 807        |
|                   |                                                     | 31-50527         | 31-45 TASK 806        |
|                   |                                                     | 31-50528         | 31-45 TASK 807        |
|                   |                                                     | 31-50537         | 31-45 TASK 806        |
|                   |                                                     | 31-50538         | 31-45 TASK 807        |
|                   |                                                     | 31-50539         | 31-44 TASK 898        |
|                   |                                                     | 31-50540         | 31-44 TASK 899        |
|                   |                                                     | 31-50547         | 31-45 TASK 806        |

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|-------------------|-----------------------------------------------------|------------------|-----------------------|
| 314 450 00        | Scheduled maintenance task shows: AIMS CABINET LRM. | (continued)      |                       |
|                   |                                                     | 31-50548         | 31-45 TASK 807        |
|                   |                                                     | 31-51013         | 31-44 TASK 863        |
|                   |                                                     | 31-51014         | 31-44 TASK 864        |
|                   |                                                     | 31-51017         | 31-43 TASK 801        |
|                   |                                                     | 31-51018         | 31-43 TASK 802        |
|                   |                                                     | 31-51023         | 31-44 TASK 865        |
|                   |                                                     | 31-51024         | 31-44 TASK 866        |
|                   |                                                     | 31-51027         | 31-43 TASK 803        |
|                   |                                                     | 31-51028         | 31-43 TASK 804        |
|                   |                                                     | 31-51033         | 31-44 TASK 869        |
|                   |                                                     | 31-51034         | 31-44 TASK 870        |
|                   |                                                     | 31-51037         | 31-43 TASK 805        |
|                   |                                                     | 31-51038         | 31-43 TASK 806        |
|                   |                                                     | 31-51043         | 31-44 TASK 871        |
|                   |                                                     | 31-51044         | 31-44 TASK 872        |
|                   |                                                     | 31-51047         | 31-43 TASK 807        |
|                   |                                                     | 31-51048         | 31-43 TASK 808        |
|                   |                                                     | 31-51107         | 31-44 TASK 853        |
|                   |                                                     | 31-51108         | 31-44 TASK 854        |
|                   |                                                     | 31-51117         | 31-44 TASK 855        |
|                   |                                                     | 31-51118         | 31-44 TASK 856        |
|                   |                                                     | 31-51127         | 31-44 TASK 857        |
|                   |                                                     | 31-51128         | 31-44 TASK 858        |
|                   |                                                     | 31-51141         | 31-44 TASK 827        |
|                   |                                                     | 31-51142         | 31-44 TASK 828        |
|                   |                                                     | 31-51143         | 31-44 TASK 831        |
|                   |                                                     | 31-51144         | 31-44 TASK 832        |
|                   |                                                     | 31-51307         | 31-44 TASK 853        |
|                   |                                                     | 31-51308         | 31-44 TASK 854        |
|                   |                                                     | 31-51317         | 31-44 TASK 855        |
|                   |                                                     | 31-51318         | 31-44 TASK 856        |
|                   |                                                     | 31-51327         | 31-44 TASK 859        |
|                   |                                                     | 31-51328         | 31-44 TASK 860        |
|                   |                                                     | 31-51341         | 31-44 TASK 833        |

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|-------------------|-----------------------------------------------------|------------------|-----------------------|
| 314 450 00        | Scheduled maintenance task shows: AIMS CABINET LRM. | (continued)      |                       |
|                   |                                                     | 31-51342         | 31-44 TASK 834        |
|                   |                                                     | 31-51343         | 31-44 TASK 835        |
|                   |                                                     | 31-51344         | 31-44 TASK 836        |
|                   |                                                     | 31-51507         | 31-44 TASK 853        |
|                   |                                                     | 31-51508         | 31-44 TASK 854        |
|                   |                                                     | 31-51517         | 31-44 TASK 861        |
|                   |                                                     | 31-51518         | 31-44 TASK 862        |
|                   |                                                     | 31-51527         | 31-44 TASK 857        |
|                   |                                                     | 31-51528         | 31-44 TASK 858        |
|                   |                                                     | 31-51531         | 31-44 TASK 837        |
|                   |                                                     | 31-51532         | 31-44 TASK 838        |
|                   |                                                     | 31-51533         | 31-44 TASK 839        |
|                   |                                                     | 31-51534         | 31-44 TASK 840        |
|                   |                                                     | 31-51707         | 31-44 TASK 853        |
|                   |                                                     | 31-51708         | 31-44 TASK 854        |
|                   |                                                     | 31-51717         | 31-44 TASK 861        |
|                   |                                                     | 31-51718         | 31-44 TASK 862        |
|                   |                                                     | 31-51727         | 31-44 TASK 859        |
|                   |                                                     | 31-51728         | 31-44 TASK 860        |
|                   |                                                     | 31-51731         | 31-44 TASK 841        |
|                   |                                                     | 31-51732         | 31-44 TASK 842        |
|                   |                                                     | 31-51733         | 31-44 TASK 843        |
|                   |                                                     | 31-51734         | 31-44 TASK 844        |
|                   |                                                     | 31-52013         | 31-43 TASK 866        |
|                   |                                                     | 31-52014         | 31-43 TASK 867        |
|                   |                                                     | 31-52015         | 31-44 TASK 845        |
|                   |                                                     | 31-52016         | 31-44 TASK 846        |
|                   |                                                     | 31-52025         | 31-44 TASK 892        |
|                   |                                                     | 31-52026         | 31-44 TASK 893        |
|                   |                                                     | 31-52101         | 31-41 TASK 817        |
|                   |                                                     | 31-52107         | 31-44 TASK 853        |
|                   |                                                     | 31-52108         | 31-44 TASK 854        |
|                   |                                                     | 31-52112         | 31-41 TASK 820        |
|                   |                                                     | 31-52114         | 31-45 TASK 809        |

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|-------------------|-----------------------------------------------------|------------------|-----------------------|
| 314 450 00        | Scheduled maintenance task shows: AIMS CABINET LRM. | (continued)      |                       |
|                   |                                                     | 31-52117         | 31-44 TASK 855        |
|                   |                                                     | 31-52118         | 31-44 TASK 856        |
|                   |                                                     | 31-52121         | 31-41 TASK 821        |
|                   |                                                     | 31-52122         | 31-41 TASK 822        |
|                   |                                                     | 31-52127         | 31-44 TASK 857        |
|                   |                                                     | 31-52128         | 31-44 TASK 858        |
|                   |                                                     | 31-52271         | 31-41 TASK 914        |
|                   |                                                     | 31-52272         | 31-41 TASK 915        |
|                   |                                                     | 31-52331         | 31-41 TASK 914        |
|                   |                                                     | 31-52332         | 31-41 TASK 915        |
|                   |                                                     | 31-52362         | 31-41 TASK 915        |
|                   |                                                     | 31-52371         | 31-41 TASK 914        |
|                   |                                                     | 31-52381         | 31-41 TASK 914        |
|                   |                                                     | 31-52392         | 31-41 TASK 915        |
|                   |                                                     | 31-52402         | 31-41 TASK 915        |
|                   |                                                     | 31-52411         | 31-41 TASK 914        |
|                   |                                                     | 31-52412         | 31-41 TASK 915        |
|                   |                                                     | 31-52501         | 31-43 TASK 809        |
|                   |                                                     | 31-52502         | 31-43 TASK 810        |
|                   |                                                     | 31-52511         | 31-43 TASK 854        |
|                   |                                                     | 31-52512         | 31-43 TASK 854        |
|                   |                                                     | 31-52541         | 31-43 TASK 815        |
|                   |                                                     | 31-52542         | 31-43 TASK 816        |
|                   |                                                     | 31-52601         | 31-41 TASK 832        |
|                   |                                                     | 31-52602         | 31-41 TASK 833        |
|                   |                                                     | 31-53201         | 31-41 TASK 923        |
|                   |                                                     | 31-53202         | 31-41 TASK 923        |
|                   |                                                     | 31-53211         | 31-41 TASK 823        |
|                   |                                                     | 31-53212         | 31-41 TASK 923        |
|                   |                                                     | 31-53221         | 31-41 TASK 923        |
|                   |                                                     | 31-53222         | 31-41 TASK 923        |
|                   |                                                     | 31-53231         | 31-41 TASK 923        |
|                   |                                                     | 31-53232         | 31-41 TASK 923        |
|                   |                                                     | 31-53241         | 31-41 TASK 824        |

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|-------------------|-----------------------------------------------------|------------------|-----------------------|
| 314 450 00        | Scheduled maintenance task shows: AIMS CABINET LRM. | (continued)      |                       |
|                   |                                                     | 31-53242         | 31-41 TASK 825        |
|                   |                                                     | 31-53251         | 31-41 TASK 826        |
|                   |                                                     | 31-53252         | 31-41 TASK 827        |
|                   |                                                     | 31-53261         | 31-41 TASK 923        |
|                   |                                                     | 31-53262         | 31-41 TASK 923        |
|                   |                                                     | 31-53271         | 31-41 TASK 923        |
|                   |                                                     | 31-53272         | 31-41 TASK 923        |
|                   |                                                     | 31-53281         | 31-41 TASK 863        |
|                   |                                                     | 31-53282         | 31-41 TASK 864        |
|                   |                                                     | 31-53291         | 31-41 TASK 865        |
|                   |                                                     | 31-53292         | 31-41 TASK 866        |
|                   |                                                     | 31-53301         | 31-41 TASK 923        |
|                   |                                                     | 31-53302         | 31-41 TASK 923        |
|                   |                                                     | 31-53311         | 31-41 TASK 923        |
|                   |                                                     | 31-53312         | 31-41 TASK 951        |
|                   |                                                     | 31-53321         | 31-41 TASK 959        |
|                   |                                                     | 31-53322         | 31-41 TASK 960        |
|                   |                                                     | 31-53331         | 31-41 TASK 961        |
|                   |                                                     | 31-53332         | 31-41 TASK 962        |
|                   |                                                     | 31-53341         | 31-41 TASK 923        |
|                   |                                                     | 31-53342         | 31-41 TASK 923        |
|                   |                                                     | 31-53351         | 31-41 TASK 952        |
|                   |                                                     | 31-53352         | 31-41 TASK 910        |
|                   |                                                     | 31-53401         | 31-41 TASK 832        |
|                   |                                                     | 31-53402         | 31-41 TASK 833        |
|                   |                                                     | 31-53701         | 31-41 TASK 832        |
|                   |                                                     | 31-53702         | 31-41 TASK 833        |
|                   |                                                     | 31-53711         | 31-41 TASK 832        |
|                   |                                                     | 31-53712         | 31-41 TASK 833        |
|                   |                                                     | 31-53721         | 31-41 TASK 832        |
|                   |                                                     | 31-53722         | 31-41 TASK 833        |
|                   |                                                     | 31-53731         | 31-41 TASK 832        |
|                   |                                                     | 31-53732         | 31-41 TASK 833        |
|                   |                                                     | 31-54013         | 31-43 TASK 868        |

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|-------------------|-----------------------------------------------------|------------------|-----------------------|
| 314 450 00        | Scheduled maintenance task shows: AIMS CABINET LRM. | (continued)      |                       |
|                   |                                                     | 31-54014         | 31-43 TASK 869        |
|                   |                                                     | 31-54015         | 31-44 TASK 847        |
|                   |                                                     | 31-54016         | 31-44 TASK 848        |
|                   |                                                     | 31-54101         | 31-41 TASK 834        |
|                   |                                                     | 31-54102         | 31-41 TASK 835        |
|                   |                                                     | 31-54107         | 31-44 TASK 853        |
|                   |                                                     | 31-54108         | 31-44 TASK 854        |
|                   |                                                     | 31-54117         | 31-44 TASK 855        |
|                   |                                                     | 31-54118         | 31-44 TASK 856        |
|                   |                                                     | 31-54121         | 31-41 TASK 838        |
|                   |                                                     | 31-54122         | 31-41 TASK 839        |
|                   |                                                     | 31-54127         | 31-44 TASK 859        |
|                   |                                                     | 31-54128         | 31-44 TASK 860        |
|                   |                                                     | 31-54211         | 31-41 TASK 916        |
|                   |                                                     | 31-54331         | 31-41 TASK 916        |
|                   |                                                     | 31-54332         | 31-41 TASK 917        |
|                   |                                                     | 31-54362         | 31-41 TASK 917        |
|                   |                                                     | 31-54371         | 31-41 TASK 916        |
|                   |                                                     | 31-54381         | 31-41 TASK 916        |
|                   |                                                     | 31-54392         | 31-41 TASK 917        |
|                   |                                                     | 31-54402         | 31-41 TASK 917        |
|                   |                                                     | 31-54411         | 31-41 TASK 916        |
|                   |                                                     | 31-54412         | 31-41 TASK 917        |
|                   |                                                     | 31-54501         | 31-43 TASK 854        |
|                   |                                                     | 31-54502         | 31-43 TASK 854        |
|                   |                                                     | 31-54512         | 31-43 TASK 854        |
|                   |                                                     | 31-54601         | 31-41 TASK 840        |
|                   |                                                     | 31-54602         | 31-41 TASK 841        |
|                   |                                                     | 31-55201         | 31-41 TASK 923        |
|                   |                                                     | 31-55202         | 31-41 TASK 923        |
|                   |                                                     | 31-55211         | 31-41 TASK 867        |
|                   |                                                     | 31-55212         | 31-41 TASK 923        |
|                   |                                                     | 31-55221         | 31-41 TASK 923        |
|                   |                                                     | 31-55222         | 31-41 TASK 923        |

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| <b>FAULT CODE</b> | <b>FAULT DESCRIPTION</b>                            | <b>MAINT MSG</b> | <b>GO TO FIM TASK</b> |
|-------------------|-----------------------------------------------------|------------------|-----------------------|
| 314 450 00        | Scheduled maintenance task shows: AIMS CABINET LRM. | (continued)      |                       |
|                   |                                                     | 31-55231         | 31-41 TASK 923        |
|                   |                                                     | 31-55232         | 31-41 TASK 923        |
|                   |                                                     | 31-55241         | 31-41 TASK 828        |
|                   |                                                     | 31-55242         | 31-41 TASK 829        |
|                   |                                                     | 31-55251         | 31-41 TASK 830        |
|                   |                                                     | 31-55252         | 31-41 TASK 831        |
|                   |                                                     | 31-55261         | 31-41 TASK 923        |
|                   |                                                     | 31-55262         | 31-41 TASK 923        |
|                   |                                                     | 31-55271         | 31-41 TASK 923        |
|                   |                                                     | 31-55272         | 31-41 TASK 923        |
|                   |                                                     | 31-55281         | 31-41 TASK 868        |
|                   |                                                     | 31-55282         | 31-41 TASK 869        |
|                   |                                                     | 31-55291         | 31-41 TASK 870        |
|                   |                                                     | 31-55292         | 31-41 TASK 871        |
|                   |                                                     | 31-55301         | 31-41 TASK 923        |
|                   |                                                     | 31-55302         | 31-41 TASK 923        |
|                   |                                                     | 31-55311         | 31-41 TASK 923        |
|                   |                                                     | 31-55312         | 31-41 TASK 923        |
|                   |                                                     | 31-55321         | 31-41 TASK 963        |
|                   |                                                     | 31-55322         | 31-41 TASK 964        |
|                   |                                                     | 31-55331         | 31-41 TASK 965        |
|                   |                                                     | 31-55332         | 31-41 TASK 966        |
|                   |                                                     | 31-55341         | 31-41 TASK 923        |
|                   |                                                     | 31-55342         | 31-41 TASK 923        |
|                   |                                                     | 31-55351         | 31-41 TASK 911        |
|                   |                                                     | 31-55352         | 31-41 TASK 976        |
|                   |                                                     | 31-55401         | 31-41 TASK 840        |
|                   |                                                     | 31-55402         | 31-41 TASK 841        |
|                   |                                                     | 31-55701         | 31-41 TASK 840        |
|                   |                                                     | 31-55702         | 31-41 TASK 841        |
|                   |                                                     | 31-55711         | 31-41 TASK 840        |
|                   |                                                     | 31-55712         | 31-41 TASK 841        |
|                   |                                                     | 31-55721         | 31-41 TASK 840        |
|                   |                                                     | 31-55722         | 31-41 TASK 841        |

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|-------------------|-----------------------------------------------------|------------------|-----------------------|
| 314 450 00        | Scheduled maintenance task shows: AIMS CABINET LRM. | (continued)      |                       |
|                   |                                                     | 31-55731         | 31-41 TASK 840        |
|                   |                                                     | 31-55732         | 31-41 TASK 841        |
|                   |                                                     | 31-56013         | 31-43 TASK 870        |
|                   |                                                     | 31-56014         | 31-43 TASK 871        |
|                   |                                                     | 31-56015         | 31-44 TASK 849        |
|                   |                                                     | 31-56016         | 31-44 TASK 850        |
|                   |                                                     | 31-56102         | 31-41 TASK 845        |
|                   |                                                     | 31-56104         | 31-45 TASK 811        |
|                   |                                                     | 31-56107         | 31-44 TASK 853        |
|                   |                                                     | 31-56108         | 31-44 TASK 854        |
|                   |                                                     | 31-56111         | 31-41 TASK 846        |
|                   |                                                     | 31-56113         | 31-41 TASK 991        |
|                   |                                                     | 31-56117         | 31-44 TASK 861        |
|                   |                                                     | 31-56118         | 31-44 TASK 862        |
|                   |                                                     | 31-56121         | 31-41 TASK 848        |
|                   |                                                     | 31-56122         | 31-41 TASK 849        |
|                   |                                                     | 31-56127         | 31-44 TASK 857        |
|                   |                                                     | 31-56128         | 31-44 TASK 858        |
|                   |                                                     | 31-56331         | 31-41 TASK 919        |
|                   |                                                     | 31-56341         | 31-41 TASK 919        |
|                   |                                                     | 31-56401         | 31-41 TASK 919        |
|                   |                                                     | 31-56402         | 31-41 TASK 920        |
|                   |                                                     | 31-56442         | 31-41 TASK 920        |
|                   |                                                     | 31-56501         | 31-43 TASK 854        |
|                   |                                                     | 31-56502         | 31-43 TASK 854        |
|                   |                                                     | 31-56531         | 31-43 TASK 824        |
|                   |                                                     | 31-56532         | 31-43 TASK 825        |
|                   |                                                     | 31-56601         | 31-41 TASK 842        |
|                   |                                                     | 31-56602         | 31-41 TASK 843        |
|                   |                                                     | 31-57201         | 31-41 TASK 872        |
|                   |                                                     | 31-57202         | 31-41 TASK 873        |
|                   |                                                     | 31-57211         | 31-41 TASK 923        |
|                   |                                                     | 31-57212         | 31-41 TASK 923        |
|                   |                                                     | 31-57221         | 31-41 TASK 874        |

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|-------------------|-----------------------------------------------------|------------------|-----------------------|
| 314 450 00        | Scheduled maintenance task shows: AIMS CABINET LRM. | (continued)      |                       |
|                   |                                                     | 31-57222         | 31-41 TASK 923        |
|                   |                                                     | 31-57231         | 31-41 TASK 912        |
|                   |                                                     | 31-57232         | 31-41 TASK 913        |
|                   |                                                     | 31-57241         | 31-41 TASK 923        |
|                   |                                                     | 31-57242         | 31-41 TASK 923        |
|                   |                                                     | 31-57251         | 31-41 TASK 850        |
|                   |                                                     | 31-57252         | 31-41 TASK 851        |
|                   |                                                     | 31-57261         | 31-41 TASK 875        |
|                   |                                                     | 31-57262         | 31-41 TASK 923        |
|                   |                                                     | 31-57271         | 31-41 TASK 928        |
|                   |                                                     | 31-57272         | 31-41 TASK 929        |
|                   |                                                     | 31-57281         | 31-41 TASK 923        |
|                   |                                                     | 31-57282         | 31-41 TASK 923        |
|                   |                                                     | 31-57291         | 31-41 TASK 924        |
|                   |                                                     | 31-57292         | 31-41 TASK 925        |
|                   |                                                     | 31-57301         | 31-41 TASK 923        |
|                   |                                                     | 31-57302         | 31-41 TASK 923        |
|                   |                                                     | 31-57311         | 31-41 TASK 876        |
|                   |                                                     | 31-57312         | 31-41 TASK 923        |
|                   |                                                     | 31-57321         | 31-41 TASK 926        |
|                   |                                                     | 31-57322         | 31-41 TASK 927        |
|                   |                                                     | 31-57331         | 31-41 TASK 877        |
|                   |                                                     | 31-57332         | 31-41 TASK 878        |
|                   |                                                     | 31-57341         | 31-41 TASK 923        |
|                   |                                                     | 31-57342         | 31-41 TASK 923        |
|                   |                                                     | 31-57351         | 31-41 TASK 879        |
|                   |                                                     | 31-57352         | 31-41 TASK 930        |
|                   |                                                     | 31-57401         | 31-41 TASK 842        |
|                   |                                                     | 31-57402         | 31-41 TASK 843        |
|                   |                                                     | 31-57701         | 31-41 TASK 842        |
|                   |                                                     | 31-57702         | 31-41 TASK 843        |
|                   |                                                     | 31-57711         | 31-41 TASK 842        |
|                   |                                                     | 31-57712         | 31-41 TASK 843        |
|                   |                                                     | 31-57721         | 31-41 TASK 842        |

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|------------|-----------------------------------------------------|-------------|----------------|
| 314 450 00 | Scheduled maintenance task shows: AIMS CABINET LRM. | (continued) |                |
|            |                                                     | 31-57722    | 31-41 TASK 843 |
|            |                                                     | 31-57731    | 31-41 TASK 842 |
|            |                                                     | 31-57732    | 31-41 TASK 843 |
|            |                                                     | 31-58013    | 31-43 TASK 872 |
|            |                                                     | 31-58014    | 31-43 TASK 873 |
|            |                                                     | 31-58015    | 31-44 TASK 851 |
|            |                                                     | 31-58016    | 31-44 TASK 852 |
|            |                                                     | 31-58101    | 31-41 TASK 852 |
|            |                                                     | 31-58102    | 31-41 TASK 853 |
|            |                                                     | 31-58107    | 31-44 TASK 853 |
|            |                                                     | 31-58108    | 31-44 TASK 854 |
|            |                                                     | 31-58117    | 31-44 TASK 861 |
|            |                                                     | 31-58118    | 31-44 TASK 862 |
|            |                                                     | 31-58121    | 31-41 TASK 856 |
|            |                                                     | 31-58122    | 31-41 TASK 857 |
|            |                                                     | 31-58127    | 31-44 TASK 859 |
|            |                                                     | 31-58128    | 31-44 TASK 860 |
|            |                                                     | 31-58322    | 31-41 TASK 922 |
|            |                                                     | 31-58331    | 31-41 TASK 921 |
|            |                                                     | 31-58341    | 31-41 TASK 921 |
|            |                                                     | 31-58401    | 31-41 TASK 921 |
|            |                                                     | 31-58402    | 31-41 TASK 922 |
|            |                                                     | 31-58442    | 31-41 TASK 922 |
|            |                                                     | 31-58511    | 31-43 TASK 854 |
|            |                                                     | 31-58601    | 31-41 TASK 992 |
|            |                                                     | 31-58602    | 31-41 TASK 993 |
|            |                                                     | 31-59201    | 31-41 TASK 880 |
|            |                                                     | 31-59202    | 31-41 TASK 881 |
|            |                                                     | 31-59211    | 31-41 TASK 923 |
|            |                                                     | 31-59212    | 31-41 TASK 923 |
|            |                                                     | 31-59221    | 31-41 TASK 923 |
|            |                                                     | 31-59222    | 31-41 TASK 923 |
|            |                                                     | 31-59231    | 31-41 TASK 931 |
|            |                                                     | 31-59232    | 31-41 TASK 923 |

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|-------------------|-----------------------------------------------------|------------------|-----------------------|
| 314 450 00        | Scheduled maintenance task shows: AIMS CABINET LRM. | (continued)      |                       |
|                   |                                                     | 31-59241         | 31-41 TASK 923        |
|                   |                                                     | 31-59242         | 31-41 TASK 923        |
|                   |                                                     | 31-59251         | 31-41 TASK 860        |
|                   |                                                     | 31-59252         | 31-41 TASK 861        |
|                   |                                                     | 31-59261         | 31-41 TASK 923        |
|                   |                                                     | 31-59262         | 31-41 TASK 923        |
|                   |                                                     | 31-59271         | 31-41 TASK 932        |
|                   |                                                     | 31-59272         | 31-41 TASK 973        |
|                   |                                                     | 31-59281         | 31-41 TASK 923        |
|                   |                                                     | 31-59282         | 31-41 TASK 923        |
|                   |                                                     | 31-59291         | 31-41 TASK 949        |
|                   |                                                     | 31-59292         | 31-41 TASK 950        |
|                   |                                                     | 31-59301         | 31-41 TASK 923        |
|                   |                                                     | 31-59302         | 31-41 TASK 923        |
|                   |                                                     | 31-59311         | 31-41 TASK 974        |
|                   |                                                     | 31-59312         | 31-41 TASK 923        |
|                   |                                                     | 31-59321         | 31-41 TASK 953        |
|                   |                                                     | 31-59322         | 31-41 TASK 954        |
|                   |                                                     | 31-59331         | 31-41 TASK 882        |
|                   |                                                     | 31-59332         | 31-41 TASK 883        |
|                   |                                                     | 31-59341         | 31-41 TASK 923        |
|                   |                                                     | 31-59342         | 31-41 TASK 923        |
|                   |                                                     | 31-59351         | 31-41 TASK 955        |
|                   |                                                     | 31-59352         | 31-41 TASK 956        |
|                   |                                                     | 31-59401         | 31-41 TASK 992        |
|                   |                                                     | 31-59402         | 31-41 TASK 993        |
|                   |                                                     | 31-59701         | 31-41 TASK 858        |
|                   |                                                     | 31-59711         | 31-41 TASK 858        |
|                   |                                                     | 31-59712         | 31-41 TASK 859        |
|                   |                                                     | 31-59721         | 31-41 TASK 858        |
|                   |                                                     | 31-59731         | 31-41 TASK 858        |
|                   |                                                     | 31-59732         | 31-41 TASK 859        |
|                   |                                                     | 31-61031         | 31-41 TASK 862        |
|                   |                                                     | 31-61032         | 31-41 TASK 891        |

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|-------------------|-----------------------------------------------------|------------------|-----------------------|
| 314 450 00        | Scheduled maintenance task shows: AIMS CABINET LRM. | (continued)      |                       |
|                   |                                                     | 31-61041         | 31-43 TASK 835        |
|                   |                                                     | 31-61042         | 31-43 TASK 836        |
|                   |                                                     | 31-61051         | 31-43 TASK 837        |
|                   |                                                     | 31-61052         | 31-43 TASK 838        |
|                   |                                                     | 31-61061         | 31-43 TASK 839        |
|                   |                                                     | 31-61062         | 31-43 TASK 840        |
|                   |                                                     | 31-61111         | 31-43 TASK 856        |
|                   |                                                     | 31-61112         | 31-43 TASK 856        |
|                   |                                                     | 31-61113         | 31-43 TASK 856        |
|                   |                                                     | 31-61114         | 31-43 TASK 856        |
|                   |                                                     | 31-61115         | 31-43 TASK 856        |
|                   |                                                     | 31-61116         | 31-43 TASK 856        |
|                   |                                                     | 31-61117         | 31-43 TASK 856        |
|                   |                                                     | 31-61118         | 31-43 TASK 856        |
|                   |                                                     | 31-61211         | 31-43 TASK 864        |
|                   |                                                     | 31-61212         | 31-43 TASK 874        |
|                   |                                                     | 31-61213         | 31-43 TASK 864        |
|                   |                                                     | 31-61214         | 31-43 TASK 874        |
|                   |                                                     | 31-61215         | 31-43 TASK 874        |
|                   |                                                     | 31-61216         | 31-43 TASK 864        |
|                   |                                                     | 31-61217         | 31-43 TASK 874        |
|                   |                                                     | 31-61218         | 31-43 TASK 864        |
|                   |                                                     | 31-62031         | 31-43 TASK 846        |
|                   |                                                     | 31-62032         | 31-43 TASK 847        |
|                   |                                                     | 31-62041         | 31-43 TASK 848        |
|                   |                                                     | 31-62042         | 31-43 TASK 849        |
|                   |                                                     | 31-62211         | 31-43 TASK 864        |
|                   |                                                     | 31-62212         | 31-43 TASK 874        |
|                   |                                                     | 31-62213         | 31-43 TASK 864        |
|                   |                                                     | 31-62214         | 31-43 TASK 874        |
|                   |                                                     | 31-62215         | 31-43 TASK 874        |
|                   |                                                     | 31-62216         | 31-43 TASK 864        |
|                   |                                                     | 31-62217         | 31-43 TASK 874        |
|                   |                                                     | 31-62218         | 31-43 TASK 864        |

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|-------------------|---------------------------------------------------------|------------------|-----------------------|
| 314 450 00        | Scheduled maintenance task shows: AIMS CABINET LRM.     | (continued)      |                       |
|                   |                                                         | 31-68801         | 31-43 TASK 892        |
|                   |                                                         | 31-68802         | 31-43 TASK 893        |
|                   |                                                         | 34-31601         | 34-21 TASK 821        |
|                   |                                                         | 34-32601         | 34-21 TASK 822        |
|                   |                                                         | 34-32803         | 34-21 TASK 822        |
|                   |                                                         | 34-33800         | 34-21 TASK 886        |
|                   |                                                         | 34-34603         | 34-21 TASK 887        |
|                   |                                                         | 34-35603         | 34-21 TASK 888        |
|                   |                                                         | 34-36800         | 34-21 TASK 890        |
| 314 480 41        | Maintenance memo shows on the MAT: LEFT AIMS.           | 31-50021         | 31-44 TASK 804        |
|                   |                                                         | 31-50031         | 31-44 TASK 807        |
|                   |                                                         | 31-50041         | 31-44 TASK 809        |
|                   |                                                         | 31-50051         | 31-44 TASK 811        |
|                   |                                                         | 31-50061         | 31-44 TASK 813        |
|                   |                                                         | 31-50071         | 31-44 TASK 815        |
|                   |                                                         | 31-50081         | 31-44 TASK 817        |
|                   |                                                         | 31-50211         | 32-09 TASK 833        |
|                   |                                                         | 31-50213         | 32-09 TASK 835        |
|                   |                                                         | 31-50215         | 32-09 TASK 837        |
| 314 480 42        | Maintenance memo shows on the MAT: RIGHT AIMS.          | 31-50022         | 31-44 TASK 805        |
|                   |                                                         | 31-50032         | 31-44 TASK 808        |
|                   |                                                         | 31-50042         | 31-44 TASK 810        |
|                   |                                                         | 31-50052         | 31-44 TASK 812        |
|                   |                                                         | 31-50062         | 31-44 TASK 814        |
|                   |                                                         | 31-50072         | 31-44 TASK 816        |
|                   |                                                         | 31-50082         | 31-44 TASK 818        |
|                   |                                                         | 31-50212         | 32-09 TASK 834        |
|                   |                                                         | 31-50214         | 32-09 TASK 836        |
|                   |                                                         | 31-50216         | 32-09 TASK 837        |
| 314 481 41        | Maintenance memo shows on the MAT: DCGF-1 IN LEFT AIMS. | 23-81001         | 23-91 TASK 801        |
|                   |                                                         | 23-81002         | 23-91 TASK 802        |
|                   |                                                         | 23-81003         | 23-91 TASK 803        |

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|-------------------|------------------------------------------------------------|------------------|-----------------------|
| 314 481 41        | Maintenance memo shows on the<br>MAT: DCGF-1 IN LEFT AIMS. | (continued)      |                       |
|                   |                                                            | 23-81004         | 23-91 TASK 804        |
|                   |                                                            | 23-81005         | 23-91 TASK 805        |
|                   |                                                            | 23-81006         | 23-91 TASK 806        |
|                   |                                                            | 23-81007         | 23-91 TASK 807        |
|                   |                                                            | 24-11787         | 24-32 TASK 817        |
|                   |                                                            | 24-12051         | 24-32 TASK 819        |
|                   |                                                            | 24-12056         | 24-32 TASK 820        |
|                   |                                                            | 24-13801         | 24-61 TASK 805        |
|                   |                                                            | 24-13815         | 24-61 TASK 806        |
|                   |                                                            | 31-50007         | 31-44 TASK 821        |
|                   |                                                            | 31-50008         | 31-44 TASK 822        |
|                   |                                                            | 31-50017         | 31-44 TASK 823        |
|                   |                                                            | 31-50018         | 31-44 TASK 824        |
|                   |                                                            | 31-50027         | 31-44 TASK 825        |
|                   |                                                            | 31-50028         | 31-44 TASK 826        |
|                   |                                                            | 31-50201         | 31-43 TASK 852        |
|                   |                                                            | 31-50202         | 31-43 TASK 853        |
|                   |                                                            | 31-50417         | 31-44 TASK 884        |
|                   |                                                            | 31-50418         | 31-44 TASK 885        |
|                   |                                                            | 31-50427         | 31-44 TASK 886        |
|                   |                                                            | 31-50428         | 31-44 TASK 887        |
|                   |                                                            | 31-50437         | 31-44 TASK 888        |
|                   |                                                            | 31-50438         | 31-44 TASK 889        |
|                   |                                                            | 31-50447         | 31-44 TASK 890        |
|                   |                                                            | 31-50448         | 31-44 TASK 891        |
|                   |                                                            | 31-51033         | 31-44 TASK 869        |
|                   |                                                            | 31-51034         | 31-44 TASK 870        |
|                   |                                                            | 31-51037         | 31-43 TASK 805        |
|                   |                                                            | 31-51038         | 31-43 TASK 806        |
|                   |                                                            | 31-51043         | 31-44 TASK 871        |
|                   |                                                            | 31-51044         | 31-44 TASK 872        |
|                   |                                                            | 31-51047         | 31-43 TASK 807        |
|                   |                                                            | 31-51048         | 31-43 TASK 808        |
|                   |                                                            | 31-51507         | 31-44 TASK 853        |

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|------------|---------------------------------------------------------|-------------|----------------|
| 314 481 41 | Maintenance memo shows on the MAT: DCGF-1 IN LEFT AIMS. | (continued) |                |
|            |                                                         | 31-51508    | 31-44 TASK 854 |
|            |                                                         | 31-51517    | 31-44 TASK 861 |
|            |                                                         | 31-51518    | 31-44 TASK 862 |
|            |                                                         | 31-51527    | 31-44 TASK 857 |
|            |                                                         | 31-51528    | 31-44 TASK 858 |
|            |                                                         | 31-51531    | 31-44 TASK 837 |
|            |                                                         | 31-51532    | 31-44 TASK 838 |
|            |                                                         | 31-51533    | 31-44 TASK 839 |
|            |                                                         | 31-51534    | 31-44 TASK 840 |
|            |                                                         | 31-51707    | 31-44 TASK 853 |
|            |                                                         | 31-51708    | 31-44 TASK 854 |
|            |                                                         | 31-51717    | 31-44 TASK 861 |
|            |                                                         | 31-51718    | 31-44 TASK 862 |
|            |                                                         | 31-51727    | 31-44 TASK 859 |
|            |                                                         | 31-51728    | 31-44 TASK 860 |
|            |                                                         | 31-51731    | 31-44 TASK 841 |
|            |                                                         | 31-51732    | 31-44 TASK 842 |
|            |                                                         | 31-51733    | 31-44 TASK 843 |
|            |                                                         | 31-51734    | 31-44 TASK 844 |
|            |                                                         | 31-52013    | 31-43 TASK 866 |
|            |                                                         | 31-52014    | 31-43 TASK 867 |
|            |                                                         | 31-52015    | 31-44 TASK 845 |
|            |                                                         | 31-52016    | 31-44 TASK 846 |
|            |                                                         | 31-52101    | 31-41 TASK 817 |
|            |                                                         | 31-52107    | 31-44 TASK 853 |
|            |                                                         | 31-52108    | 31-44 TASK 854 |
|            |                                                         | 31-52112    | 31-41 TASK 820 |
|            |                                                         | 31-52114    | 31-45 TASK 809 |
|            |                                                         | 31-52117    | 31-44 TASK 855 |
|            |                                                         | 31-52118    | 31-44 TASK 856 |
|            |                                                         | 31-52121    | 31-41 TASK 821 |
|            |                                                         | 31-52122    | 31-41 TASK 822 |
|            |                                                         | 31-52127    | 31-44 TASK 857 |
|            |                                                         | 31-52128    | 31-44 TASK 858 |

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| 314 481 41 | Maintenance memo shows on the<br>MAT: DCGF-1 IN LEFT AIMS. | (continued) |                |
|            |                                                            | 31-52331    | 31-41 TASK 914 |
|            |                                                            | 31-52332    | 31-41 TASK 915 |
|            |                                                            | 31-52362    | 31-41 TASK 915 |
|            |                                                            | 31-52371    | 31-41 TASK 914 |
|            |                                                            | 31-52381    | 31-41 TASK 914 |
|            |                                                            | 31-52392    | 31-41 TASK 915 |
|            |                                                            | 31-52402    | 31-41 TASK 915 |
|            |                                                            | 31-52411    | 31-41 TASK 914 |
|            |                                                            | 31-52412    | 31-41 TASK 915 |
|            |                                                            | 31-52501    | 31-43 TASK 809 |
|            |                                                            | 31-52502    | 31-43 TASK 810 |
|            |                                                            | 31-52511    | 31-43 TASK 854 |
|            |                                                            | 31-52512    | 31-43 TASK 854 |
|            |                                                            | 31-52541    | 31-43 TASK 815 |
|            |                                                            | 31-52601    | 31-41 TASK 832 |
|            |                                                            | 31-52602    | 31-41 TASK 833 |
|            |                                                            | 31-53201    | 31-41 TASK 923 |
|            |                                                            | 31-53202    | 31-41 TASK 923 |
|            |                                                            | 31-53211    | 31-41 TASK 823 |
|            |                                                            | 31-53212    | 31-41 TASK 923 |
|            |                                                            | 31-53221    | 31-41 TASK 923 |
|            |                                                            | 31-53222    | 31-41 TASK 923 |
|            |                                                            | 31-53231    | 31-41 TASK 923 |
|            |                                                            | 31-53232    | 31-41 TASK 923 |
|            |                                                            | 31-53241    | 31-41 TASK 824 |
|            |                                                            | 31-53242    | 31-41 TASK 825 |
|            |                                                            | 31-53251    | 31-41 TASK 826 |
|            |                                                            | 31-53252    | 31-41 TASK 827 |
|            |                                                            | 31-53261    | 31-41 TASK 923 |
|            |                                                            | 31-53262    | 31-41 TASK 923 |
|            |                                                            | 31-53271    | 31-41 TASK 923 |
|            |                                                            | 31-53272    | 31-41 TASK 923 |
|            |                                                            | 31-53281    | 31-41 TASK 863 |
|            |                                                            | 31-53282    | 31-41 TASK 864 |

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| 314 481 41 | Maintenance memo shows on the MAT: DCGF-1 IN LEFT AIMS. | (continued) |                |
|            |                                                         | 31-53291    | 31-41 TASK 865 |
|            |                                                         | 31-53292    | 31-41 TASK 866 |
|            |                                                         | 31-53301    | 31-41 TASK 923 |
|            |                                                         | 31-53302    | 31-41 TASK 923 |
|            |                                                         | 31-53311    | 31-41 TASK 923 |
|            |                                                         | 31-53312    | 31-41 TASK 951 |
|            |                                                         | 31-53321    | 31-41 TASK 959 |
|            |                                                         | 31-53322    | 31-41 TASK 960 |
|            |                                                         | 31-53331    | 31-41 TASK 961 |
|            |                                                         | 31-53332    | 31-41 TASK 962 |
|            |                                                         | 31-53341    | 31-41 TASK 923 |
|            |                                                         | 31-53342    | 31-41 TASK 923 |
|            |                                                         | 31-53351    | 31-41 TASK 952 |
|            |                                                         | 31-53352    | 31-41 TASK 910 |
|            |                                                         | 31-53401    | 31-41 TASK 832 |
|            |                                                         | 31-53402    | 31-41 TASK 833 |
|            |                                                         | 31-53701    | 31-41 TASK 832 |
|            |                                                         | 31-53702    | 31-41 TASK 833 |
|            |                                                         | 31-53711    | 31-41 TASK 832 |
|            |                                                         | 31-53712    | 31-41 TASK 833 |
|            |                                                         | 31-53721    | 31-41 TASK 832 |
|            |                                                         | 31-53722    | 31-41 TASK 833 |
|            |                                                         | 31-53731    | 31-41 TASK 832 |
|            |                                                         | 31-53732    | 31-41 TASK 833 |
|            |                                                         | 31-54013    | 31-43 TASK 868 |
|            |                                                         | 31-54014    | 31-43 TASK 869 |
|            |                                                         | 31-54015    | 31-44 TASK 847 |
|            |                                                         | 31-54016    | 31-44 TASK 848 |
|            |                                                         | 31-54101    | 31-41 TASK 834 |
|            |                                                         | 31-54102    | 31-41 TASK 835 |
|            |                                                         | 31-54107    | 31-44 TASK 853 |
|            |                                                         | 31-54108    | 31-44 TASK 854 |
|            |                                                         | 31-54117    | 31-44 TASK 855 |
|            |                                                         | 31-54118    | 31-44 TASK 856 |

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| 314 481 41        | Maintenance memo shows on the<br>MAT: DCGF-1 IN LEFT AIMS. | (continued)      |                       |
|                   |                                                            | 31-54121         | 31-41 TASK 838        |
|                   |                                                            | 31-54122         | 31-41 TASK 839        |
|                   |                                                            | 31-54127         | 31-44 TASK 859        |
|                   |                                                            | 31-54128         | 31-44 TASK 860        |
|                   |                                                            | 31-54331         | 31-41 TASK 916        |
|                   |                                                            | 31-54332         | 31-41 TASK 917        |
|                   |                                                            | 31-54362         | 31-41 TASK 917        |
|                   |                                                            | 31-54371         | 31-41 TASK 916        |
|                   |                                                            | 31-54381         | 31-41 TASK 916        |
|                   |                                                            | 31-54392         | 31-41 TASK 917        |
|                   |                                                            | 31-54402         | 31-41 TASK 917        |
|                   |                                                            | 31-54411         | 31-41 TASK 916        |
|                   |                                                            | 31-54412         | 31-41 TASK 917        |
|                   |                                                            | 31-54501         | 31-43 TASK 854        |
|                   |                                                            | 31-54502         | 31-43 TASK 854        |
|                   |                                                            | 31-54512         | 31-43 TASK 854        |
|                   |                                                            | 31-54601         | 31-41 TASK 840        |
|                   |                                                            | 31-54602         | 31-41 TASK 841        |
|                   |                                                            | 31-55201         | 31-41 TASK 923        |
|                   |                                                            | 31-55202         | 31-41 TASK 923        |
|                   |                                                            | 31-55211         | 31-41 TASK 867        |
|                   |                                                            | 31-55212         | 31-41 TASK 923        |
|                   |                                                            | 31-55221         | 31-41 TASK 923        |
|                   |                                                            | 31-55222         | 31-41 TASK 923        |
|                   |                                                            | 31-55231         | 31-41 TASK 923        |
|                   |                                                            | 31-55232         | 31-41 TASK 923        |
|                   |                                                            | 31-55241         | 31-41 TASK 828        |
|                   |                                                            | 31-55242         | 31-41 TASK 829        |
|                   |                                                            | 31-55251         | 31-41 TASK 830        |
|                   |                                                            | 31-55252         | 31-41 TASK 831        |
|                   |                                                            | 31-55261         | 31-41 TASK 923        |
|                   |                                                            | 31-55262         | 31-41 TASK 923        |
|                   |                                                            | 31-55271         | 31-41 TASK 923        |
|                   |                                                            | 31-55272         | 31-41 TASK 923        |

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| 314 481 41 | Maintenance memo shows on the MAT: DCGF-1 IN LEFT AIMS. | (continued) |                |
|            |                                                         | 31-55281    | 31-41 TASK 868 |
|            |                                                         | 31-55282    | 31-41 TASK 869 |
|            |                                                         | 31-55291    | 31-41 TASK 870 |
|            |                                                         | 31-55292    | 31-41 TASK 871 |
|            |                                                         | 31-55301    | 31-41 TASK 923 |
|            |                                                         | 31-55302    | 31-41 TASK 923 |
|            |                                                         | 31-55311    | 31-41 TASK 923 |
|            |                                                         | 31-55312    | 31-41 TASK 923 |
|            |                                                         | 31-55321    | 31-41 TASK 963 |
|            |                                                         | 31-55322    | 31-41 TASK 964 |
|            |                                                         | 31-55331    | 31-41 TASK 965 |
|            |                                                         | 31-55332    | 31-41 TASK 966 |
|            |                                                         | 31-55341    | 31-41 TASK 923 |
|            |                                                         | 31-55342    | 31-41 TASK 923 |
|            |                                                         | 31-55351    | 31-41 TASK 911 |
|            |                                                         | 31-55352    | 31-41 TASK 976 |
|            |                                                         | 31-55401    | 31-41 TASK 840 |
|            |                                                         | 31-55402    | 31-41 TASK 841 |
|            |                                                         | 31-55701    | 31-41 TASK 840 |
|            |                                                         | 31-55702    | 31-41 TASK 841 |
|            |                                                         | 31-55711    | 31-41 TASK 840 |
|            |                                                         | 31-55712    | 31-41 TASK 841 |
|            |                                                         | 31-55721    | 31-41 TASK 840 |
|            |                                                         | 31-55722    | 31-41 TASK 841 |
|            |                                                         | 31-55731    | 31-41 TASK 840 |
|            |                                                         | 31-55732    | 31-41 TASK 841 |
|            |                                                         | 31-56013    | 31-43 TASK 870 |
|            |                                                         | 31-56014    | 31-43 TASK 871 |
|            |                                                         | 31-56015    | 31-44 TASK 849 |
|            |                                                         | 31-56016    | 31-44 TASK 850 |
|            |                                                         | 31-56102    | 31-41 TASK 845 |
|            |                                                         | 31-56104    | 31-45 TASK 811 |
|            |                                                         | 31-56107    | 31-44 TASK 853 |
|            |                                                         | 31-56108    | 31-44 TASK 854 |

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| 314 481 41        | Maintenance memo shows on the<br>MAT: DCGF-1 IN LEFT AIMS. | (continued)      |                       |
|                   |                                                            | 31-56111         | 31-41 TASK 846        |
|                   |                                                            | 31-56113         | 31-41 TASK 991        |
|                   |                                                            | 31-56117         | 31-44 TASK 861        |
|                   |                                                            | 31-56118         | 31-44 TASK 862        |
|                   |                                                            | 31-56121         | 31-41 TASK 848        |
|                   |                                                            | 31-56122         | 31-41 TASK 849        |
|                   |                                                            | 31-56127         | 31-44 TASK 857        |
|                   |                                                            | 31-56128         | 31-44 TASK 858        |
|                   |                                                            | 31-56331         | 31-41 TASK 919        |
|                   |                                                            | 31-56341         | 31-41 TASK 919        |
|                   |                                                            | 31-56401         | 31-41 TASK 919        |
|                   |                                                            | 31-56402         | 31-41 TASK 920        |
|                   |                                                            | 31-56442         | 31-41 TASK 920        |
|                   |                                                            | 31-56502         | 31-43 TASK 854        |
|                   |                                                            | 31-56531         | 31-43 TASK 824        |
|                   |                                                            | 31-56532         | 31-43 TASK 825        |
|                   |                                                            | 31-56601         | 31-41 TASK 842        |
|                   |                                                            | 31-56602         | 31-41 TASK 843        |
|                   |                                                            | 31-57201         | 31-41 TASK 872        |
|                   |                                                            | 31-57202         | 31-41 TASK 873        |
|                   |                                                            | 31-57211         | 31-41 TASK 923        |
|                   |                                                            | 31-57212         | 31-41 TASK 923        |
|                   |                                                            | 31-57221         | 31-41 TASK 874        |
|                   |                                                            | 31-57222         | 31-41 TASK 923        |
|                   |                                                            | 31-57231         | 31-41 TASK 912        |
|                   |                                                            | 31-57232         | 31-41 TASK 913        |
|                   |                                                            | 31-57241         | 31-41 TASK 923        |
|                   |                                                            | 31-57242         | 31-41 TASK 923        |
|                   |                                                            | 31-57251         | 31-41 TASK 850        |
|                   |                                                            | 31-57252         | 31-41 TASK 851        |
|                   |                                                            | 31-57261         | 31-41 TASK 875        |
|                   |                                                            | 31-57262         | 31-41 TASK 923        |
|                   |                                                            | 31-57271         | 31-41 TASK 928        |
|                   |                                                            | 31-57272         | 31-41 TASK 929        |

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| 314 481 41        | Maintenance memo shows on the<br>MAT: DCGF-1 IN LEFT AIMS. | (continued)      |                       |
|                   |                                                            | 31-57281         | 31-41 TASK 923        |
|                   |                                                            | 31-57282         | 31-41 TASK 923        |
|                   |                                                            | 31-57291         | 31-41 TASK 924        |
|                   |                                                            | 31-57292         | 31-41 TASK 925        |
|                   |                                                            | 31-57301         | 31-41 TASK 923        |
|                   |                                                            | 31-57302         | 31-41 TASK 923        |
|                   |                                                            | 31-57311         | 31-41 TASK 876        |
|                   |                                                            | 31-57312         | 31-41 TASK 923        |
|                   |                                                            | 31-57321         | 31-41 TASK 926        |
|                   |                                                            | 31-57322         | 31-41 TASK 927        |
|                   |                                                            | 31-57331         | 31-41 TASK 877        |
|                   |                                                            | 31-57332         | 31-41 TASK 878        |
|                   |                                                            | 31-57341         | 31-41 TASK 923        |
|                   |                                                            | 31-57342         | 31-41 TASK 923        |
|                   |                                                            | 31-57351         | 31-41 TASK 879        |
|                   |                                                            | 31-57352         | 31-41 TASK 930        |
|                   |                                                            | 31-57401         | 31-41 TASK 842        |
|                   |                                                            | 31-57402         | 31-41 TASK 843        |
|                   |                                                            | 31-57702         | 31-41 TASK 843        |
|                   |                                                            | 31-57712         | 31-41 TASK 843        |
|                   |                                                            | 31-57721         | 31-41 TASK 842        |
|                   |                                                            | 31-57722         | 31-41 TASK 843        |
|                   |                                                            | 31-57731         | 31-41 TASK 842        |
|                   |                                                            | 31-57732         | 31-41 TASK 843        |
|                   |                                                            | 31-58013         | 31-43 TASK 872        |
|                   |                                                            | 31-58014         | 31-43 TASK 873        |
|                   |                                                            | 31-58015         | 31-44 TASK 851        |
|                   |                                                            | 31-58016         | 31-44 TASK 852        |
|                   |                                                            | 31-58101         | 31-41 TASK 852        |
|                   |                                                            | 31-58102         | 31-41 TASK 853        |
|                   |                                                            | 31-58107         | 31-44 TASK 853        |
|                   |                                                            | 31-58108         | 31-44 TASK 854        |
|                   |                                                            | 31-58117         | 31-44 TASK 861        |
|                   |                                                            | 31-58118         | 31-44 TASK 862        |

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| 314 481 41        | Maintenance memo shows on the<br>MAT: DCGF-1 IN LEFT AIMS. | (continued)      |                       |
|                   |                                                            | 31-58121         | 31-41 TASK 856        |
|                   |                                                            | 31-58122         | 31-41 TASK 857        |
|                   |                                                            | 31-58127         | 31-44 TASK 859        |
|                   |                                                            | 31-58128         | 31-44 TASK 860        |
|                   |                                                            | 31-58331         | 31-41 TASK 921        |
|                   |                                                            | 31-58341         | 31-41 TASK 921        |
|                   |                                                            | 31-58401         | 31-41 TASK 921        |
|                   |                                                            | 31-58402         | 31-41 TASK 922        |
|                   |                                                            | 31-58442         | 31-41 TASK 922        |
|                   |                                                            | 31-58511         | 31-43 TASK 854        |
|                   |                                                            | 31-58601         | 31-41 TASK 992        |
|                   |                                                            | 31-58602         | 31-41 TASK 993        |
|                   |                                                            | 31-59201         | 31-41 TASK 880        |
|                   |                                                            | 31-59202         | 31-41 TASK 881        |
|                   |                                                            | 31-59211         | 31-41 TASK 923        |
|                   |                                                            | 31-59212         | 31-41 TASK 923        |
|                   |                                                            | 31-59221         | 31-41 TASK 923        |
|                   |                                                            | 31-59222         | 31-41 TASK 923        |
|                   |                                                            | 31-59231         | 31-41 TASK 931        |
|                   |                                                            | 31-59232         | 31-41 TASK 923        |
|                   |                                                            | 31-59241         | 31-41 TASK 923        |
|                   |                                                            | 31-59242         | 31-41 TASK 923        |
|                   |                                                            | 31-59251         | 31-41 TASK 860        |
|                   |                                                            | 31-59252         | 31-41 TASK 861        |
|                   |                                                            | 31-59261         | 31-41 TASK 923        |
|                   |                                                            | 31-59262         | 31-41 TASK 923        |
|                   |                                                            | 31-59271         | 31-41 TASK 932        |
|                   |                                                            | 31-59272         | 31-41 TASK 973        |
|                   |                                                            | 31-59281         | 31-41 TASK 923        |
|                   |                                                            | 31-59282         | 31-41 TASK 923        |
|                   |                                                            | 31-59291         | 31-41 TASK 949        |
|                   |                                                            | 31-59292         | 31-41 TASK 950        |
|                   |                                                            | 31-59301         | 31-41 TASK 923        |
|                   |                                                            | 31-59302         | 31-41 TASK 923        |

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| FAULT CODE | FAULT DESCRIPTION                                       | MAINT MSG   | GO TO FIM TASK |
|------------|---------------------------------------------------------|-------------|----------------|
| 314 481 41 | Maintenance memo shows on the MAT: DCGF-1 IN LEFT AIMS. | (continued) |                |
|            |                                                         | 31-59311    | 31-41 TASK 974 |
|            |                                                         | 31-59312    | 31-41 TASK 923 |
|            |                                                         | 31-59321    | 31-41 TASK 953 |
|            |                                                         | 31-59322    | 31-41 TASK 954 |
|            |                                                         | 31-59331    | 31-41 TASK 882 |
|            |                                                         | 31-59332    | 31-41 TASK 883 |
|            |                                                         | 31-59341    | 31-41 TASK 923 |
|            |                                                         | 31-59342    | 31-41 TASK 923 |
|            |                                                         | 31-59351    | 31-41 TASK 955 |
|            |                                                         | 31-59352    | 31-41 TASK 956 |
|            |                                                         | 31-59401    | 31-41 TASK 992 |
|            |                                                         | 31-59402    | 31-41 TASK 993 |
|            |                                                         | 31-59701    | 31-41 TASK 858 |
|            |                                                         | 31-59711    | 31-41 TASK 858 |
|            |                                                         | 31-59721    | 31-41 TASK 858 |
|            |                                                         | 31-59731    | 31-41 TASK 858 |
|            |                                                         | 31-59732    | 31-41 TASK 859 |
|            |                                                         | 31-61031    | 31-41 TASK 862 |
|            |                                                         | 31-61041    | 31-43 TASK 835 |
|            |                                                         | 31-61051    | 31-43 TASK 837 |
|            |                                                         | 31-61061    | 31-43 TASK 839 |
|            |                                                         | 31-61111    | 31-43 TASK 856 |
|            |                                                         | 31-61112    | 31-43 TASK 856 |
|            |                                                         | 31-61113    | 31-43 TASK 856 |
|            |                                                         | 31-61114    | 31-43 TASK 856 |
|            |                                                         | 31-61115    | 31-43 TASK 856 |
|            |                                                         | 31-61116    | 31-43 TASK 856 |
|            |                                                         | 31-61117    | 31-43 TASK 856 |
|            |                                                         | 31-61118    | 31-43 TASK 856 |
|            |                                                         | 31-61211    | 31-43 TASK 864 |
|            |                                                         | 31-61212    | 31-43 TASK 874 |
|            |                                                         | 31-61213    | 31-43 TASK 864 |
|            |                                                         | 31-61214    | 31-43 TASK 874 |
|            |                                                         | 31-61215    | 31-43 TASK 874 |

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|-------------------|-------------------------------------------------------------|------------------|-----------------------|
| 314 481 41        | Maintenance memo shows on the<br>MAT: DCGF-1 IN LEFT AIMS.  | (continued)      |                       |
|                   |                                                             | 31-61216         | 31-43 TASK 864        |
|                   |                                                             | 31-61217         | 31-43 TASK 874        |
|                   |                                                             | 31-61218         | 31-43 TASK 864        |
|                   |                                                             | 31-68801         | 31-43 TASK 892        |
|                   |                                                             | 31-68802         | 31-43 TASK 893        |
| 314 481 42        | Maintenance memo shows on the<br>MAT: DCGF-1 IN RIGHT AIMS. | 23-81001         | 23-91 TASK 801        |
|                   |                                                             | 23-81002         | 23-91 TASK 802        |
|                   |                                                             | 23-81003         | 23-91 TASK 803        |
|                   |                                                             | 23-81004         | 23-91 TASK 804        |
|                   |                                                             | 23-81005         | 23-91 TASK 805        |
|                   |                                                             | 23-81006         | 23-91 TASK 806        |
|                   |                                                             | 23-81007         | 23-91 TASK 807        |
|                   |                                                             | 24-11787         | 24-32 TASK 817        |
|                   |                                                             | 24-12051         | 24-32 TASK 819        |
|                   |                                                             | 24-12056         | 24-32 TASK 820        |
|                   |                                                             | 24-13801         | 24-61 TASK 805        |
|                   |                                                             | 24-13815         | 24-61 TASK 806        |
|                   |                                                             | 31-50007         | 31-44 TASK 821        |
|                   |                                                             | 31-50008         | 31-44 TASK 822        |
|                   |                                                             | 31-50017         | 31-44 TASK 823        |
|                   |                                                             | 31-50018         | 31-44 TASK 824        |
|                   |                                                             | 31-50027         | 31-44 TASK 825        |
|                   |                                                             | 31-50028         | 31-44 TASK 826        |
|                   |                                                             | 31-50201         | 31-43 TASK 852        |
|                   |                                                             | 31-50202         | 31-43 TASK 853        |
|                   |                                                             | 31-50417         | 31-44 TASK 884        |
|                   |                                                             | 31-50418         | 31-44 TASK 885        |
|                   |                                                             | 31-50427         | 31-44 TASK 886        |
|                   |                                                             | 31-50428         | 31-44 TASK 887        |
|                   |                                                             | 31-50437         | 31-44 TASK 888        |
|                   |                                                             | 31-50438         | 31-44 TASK 889        |
|                   |                                                             | 31-50447         | 31-44 TASK 890        |
|                   |                                                             | 31-50448         | 31-44 TASK 891        |

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|-------------------|----------------------------------------------------------|------------------|-----------------------|
| 314 481 42        | Maintenance memo shows on the MAT: DCGF-1 IN RIGHT AIMS. | (continued)      |                       |
|                   |                                                          | 31-51033         | 31-44 TASK 869        |
|                   |                                                          | 31-51034         | 31-44 TASK 870        |
|                   |                                                          | 31-51037         | 31-43 TASK 805        |
|                   |                                                          | 31-51038         | 31-43 TASK 806        |
|                   |                                                          | 31-51043         | 31-44 TASK 871        |
|                   |                                                          | 31-51044         | 31-44 TASK 872        |
|                   |                                                          | 31-51047         | 31-43 TASK 807        |
|                   |                                                          | 31-51048         | 31-43 TASK 808        |
|                   |                                                          | 31-51507         | 31-44 TASK 853        |
|                   |                                                          | 31-51508         | 31-44 TASK 854        |
|                   |                                                          | 31-51517         | 31-44 TASK 861        |
|                   |                                                          | 31-51518         | 31-44 TASK 862        |
|                   |                                                          | 31-51527         | 31-44 TASK 857        |
|                   |                                                          | 31-51528         | 31-44 TASK 858        |
|                   |                                                          | 31-51531         | 31-44 TASK 837        |
|                   |                                                          | 31-51532         | 31-44 TASK 838        |
|                   |                                                          | 31-51533         | 31-44 TASK 839        |
|                   |                                                          | 31-51534         | 31-44 TASK 840        |
|                   |                                                          | 31-51707         | 31-44 TASK 853        |
|                   |                                                          | 31-51708         | 31-44 TASK 854        |
|                   |                                                          | 31-51717         | 31-44 TASK 861        |
|                   |                                                          | 31-51718         | 31-44 TASK 862        |
|                   |                                                          | 31-51727         | 31-44 TASK 859        |
|                   |                                                          | 31-51728         | 31-44 TASK 860        |
|                   |                                                          | 31-51731         | 31-44 TASK 841        |
|                   |                                                          | 31-51732         | 31-44 TASK 842        |
|                   |                                                          | 31-51733         | 31-44 TASK 843        |
|                   |                                                          | 31-51734         | 31-44 TASK 844        |
|                   |                                                          | 31-52013         | 31-43 TASK 866        |
|                   |                                                          | 31-52014         | 31-43 TASK 867        |
|                   |                                                          | 31-52015         | 31-44 TASK 845        |
|                   |                                                          | 31-52016         | 31-44 TASK 846        |
|                   |                                                          | 31-52101         | 31-41 TASK 817        |
|                   |                                                          | 31-52107         | 31-44 TASK 853        |

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|-------------------|----------------------------------------------------------|------------------|-----------------------|
| 314 481 42        | Maintenance memo shows on the MAT: DCGF-1 IN RIGHT AIMS. | (continued)      |                       |
|                   |                                                          | 31-52108         | 31-44 TASK 854        |
|                   |                                                          | 31-52112         | 31-41 TASK 820        |
|                   |                                                          | 31-52114         | 31-45 TASK 809        |
|                   |                                                          | 31-52117         | 31-44 TASK 855        |
|                   |                                                          | 31-52118         | 31-44 TASK 856        |
|                   |                                                          | 31-52121         | 31-41 TASK 821        |
|                   |                                                          | 31-52122         | 31-41 TASK 822        |
|                   |                                                          | 31-52127         | 31-44 TASK 857        |
|                   |                                                          | 31-52128         | 31-44 TASK 858        |
|                   |                                                          | 31-52331         | 31-41 TASK 914        |
|                   |                                                          | 31-52332         | 31-41 TASK 915        |
|                   |                                                          | 31-52362         | 31-41 TASK 915        |
|                   |                                                          | 31-52371         | 31-41 TASK 914        |
|                   |                                                          | 31-52381         | 31-41 TASK 914        |
|                   |                                                          | 31-52392         | 31-41 TASK 915        |
|                   |                                                          | 31-52402         | 31-41 TASK 915        |
|                   |                                                          | 31-52411         | 31-41 TASK 914        |
|                   |                                                          | 31-52412         | 31-41 TASK 915        |
|                   |                                                          | 31-52501         | 31-43 TASK 809        |
|                   |                                                          | 31-52502         | 31-43 TASK 810        |
|                   |                                                          | 31-52511         | 31-43 TASK 854        |
|                   |                                                          | 31-52512         | 31-43 TASK 854        |
|                   |                                                          | 31-52541         | 31-43 TASK 815        |
|                   |                                                          | 31-52601         | 31-41 TASK 832        |
|                   |                                                          | 31-52602         | 31-41 TASK 833        |
|                   |                                                          | 31-53201         | 31-41 TASK 923        |
|                   |                                                          | 31-53202         | 31-41 TASK 923        |
|                   |                                                          | 31-53211         | 31-41 TASK 823        |
|                   |                                                          | 31-53212         | 31-41 TASK 923        |
|                   |                                                          | 31-53221         | 31-41 TASK 923        |
|                   |                                                          | 31-53222         | 31-41 TASK 923        |
|                   |                                                          | 31-53231         | 31-41 TASK 923        |
|                   |                                                          | 31-53232         | 31-41 TASK 923        |
|                   |                                                          | 31-53241         | 31-41 TASK 824        |

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|------------|----------------------------------------------------------|-------------|----------------|
| 314 481 42 | Maintenance memo shows on the MAT: DCGF-1 IN RIGHT AIMS. | (continued) |                |
|            |                                                          | 31-53242    | 31-41 TASK 825 |
|            |                                                          | 31-53251    | 31-41 TASK 826 |
|            |                                                          | 31-53252    | 31-41 TASK 827 |
|            |                                                          | 31-53261    | 31-41 TASK 923 |
|            |                                                          | 31-53262    | 31-41 TASK 923 |
|            |                                                          | 31-53271    | 31-41 TASK 923 |
|            |                                                          | 31-53272    | 31-41 TASK 923 |
|            |                                                          | 31-53281    | 31-41 TASK 863 |
|            |                                                          | 31-53282    | 31-41 TASK 864 |
|            |                                                          | 31-53291    | 31-41 TASK 865 |
|            |                                                          | 31-53292    | 31-41 TASK 866 |
|            |                                                          | 31-53301    | 31-41 TASK 923 |
|            |                                                          | 31-53302    | 31-41 TASK 923 |
|            |                                                          | 31-53311    | 31-41 TASK 923 |
|            |                                                          | 31-53312    | 31-41 TASK 951 |
|            |                                                          | 31-53321    | 31-41 TASK 959 |
|            |                                                          | 31-53322    | 31-41 TASK 960 |
|            |                                                          | 31-53331    | 31-41 TASK 961 |
|            |                                                          | 31-53332    | 31-41 TASK 962 |
|            |                                                          | 31-53341    | 31-41 TASK 923 |
|            |                                                          | 31-53342    | 31-41 TASK 923 |
|            |                                                          | 31-53351    | 31-41 TASK 952 |
|            |                                                          | 31-53352    | 31-41 TASK 910 |
|            |                                                          | 31-53401    | 31-41 TASK 832 |
|            |                                                          | 31-53402    | 31-41 TASK 833 |
|            |                                                          | 31-53701    | 31-41 TASK 832 |
|            |                                                          | 31-53702    | 31-41 TASK 833 |
|            |                                                          | 31-53711    | 31-41 TASK 832 |
|            |                                                          | 31-53712    | 31-41 TASK 833 |
|            |                                                          | 31-53721    | 31-41 TASK 832 |
|            |                                                          | 31-53722    | 31-41 TASK 833 |
|            |                                                          | 31-53731    | 31-41 TASK 832 |
|            |                                                          | 31-53732    | 31-41 TASK 833 |
|            |                                                          | 31-54013    | 31-43 TASK 868 |

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|------------|----------------------------------------------------------|-------------|----------------|
| 314 481 42 | Maintenance memo shows on the MAT: DCGF-1 IN RIGHT AIMS. | (continued) |                |
|            |                                                          | 31-54014    | 31-43 TASK 869 |
|            |                                                          | 31-54015    | 31-44 TASK 847 |
|            |                                                          | 31-54016    | 31-44 TASK 848 |
|            |                                                          | 31-54101    | 31-41 TASK 834 |
|            |                                                          | 31-54102    | 31-41 TASK 835 |
|            |                                                          | 31-54107    | 31-44 TASK 853 |
|            |                                                          | 31-54108    | 31-44 TASK 854 |
|            |                                                          | 31-54117    | 31-44 TASK 855 |
|            |                                                          | 31-54118    | 31-44 TASK 856 |
|            |                                                          | 31-54121    | 31-41 TASK 838 |
|            |                                                          | 31-54122    | 31-41 TASK 839 |
|            |                                                          | 31-54127    | 31-44 TASK 859 |
|            |                                                          | 31-54128    | 31-44 TASK 860 |
|            |                                                          | 31-54331    | 31-41 TASK 916 |
|            |                                                          | 31-54332    | 31-41 TASK 917 |
|            |                                                          | 31-54362    | 31-41 TASK 917 |
|            |                                                          | 31-54371    | 31-41 TASK 916 |
|            |                                                          | 31-54381    | 31-41 TASK 916 |
|            |                                                          | 31-54392    | 31-41 TASK 917 |
|            |                                                          | 31-54402    | 31-41 TASK 917 |
|            |                                                          | 31-54411    | 31-41 TASK 916 |
|            |                                                          | 31-54412    | 31-41 TASK 917 |
|            |                                                          | 31-54501    | 31-43 TASK 854 |
|            |                                                          | 31-54502    | 31-43 TASK 854 |
|            |                                                          | 31-54512    | 31-43 TASK 854 |
|            |                                                          | 31-54601    | 31-41 TASK 840 |
|            |                                                          | 31-54602    | 31-41 TASK 841 |
|            |                                                          | 31-55201    | 31-41 TASK 923 |
|            |                                                          | 31-55202    | 31-41 TASK 923 |
|            |                                                          | 31-55211    | 31-41 TASK 867 |
|            |                                                          | 31-55212    | 31-41 TASK 923 |
|            |                                                          | 31-55221    | 31-41 TASK 923 |
|            |                                                          | 31-55222    | 31-41 TASK 923 |
|            |                                                          | 31-55231    | 31-41 TASK 923 |

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|-------------------|----------------------------------------------------------|------------------|-----------------------|
| 314 481 42        | Maintenance memo shows on the MAT: DCGF-1 IN RIGHT AIMS. | (continued)      |                       |
|                   |                                                          | 31-55232         | 31-41 TASK 923        |
|                   |                                                          | 31-55241         | 31-41 TASK 828        |
|                   |                                                          | 31-55242         | 31-41 TASK 829        |
|                   |                                                          | 31-55251         | 31-41 TASK 830        |
|                   |                                                          | 31-55252         | 31-41 TASK 831        |
|                   |                                                          | 31-55261         | 31-41 TASK 923        |
|                   |                                                          | 31-55262         | 31-41 TASK 923        |
|                   |                                                          | 31-55271         | 31-41 TASK 923        |
|                   |                                                          | 31-55272         | 31-41 TASK 923        |
|                   |                                                          | 31-55281         | 31-41 TASK 868        |
|                   |                                                          | 31-55282         | 31-41 TASK 869        |
|                   |                                                          | 31-55291         | 31-41 TASK 870        |
|                   |                                                          | 31-55292         | 31-41 TASK 871        |
|                   |                                                          | 31-55301         | 31-41 TASK 923        |
|                   |                                                          | 31-55302         | 31-41 TASK 923        |
|                   |                                                          | 31-55311         | 31-41 TASK 923        |
|                   |                                                          | 31-55312         | 31-41 TASK 923        |
|                   |                                                          | 31-55321         | 31-41 TASK 963        |
|                   |                                                          | 31-55322         | 31-41 TASK 964        |
|                   |                                                          | 31-55331         | 31-41 TASK 965        |
|                   |                                                          | 31-55332         | 31-41 TASK 966        |
|                   |                                                          | 31-55341         | 31-41 TASK 923        |
|                   |                                                          | 31-55342         | 31-41 TASK 923        |
|                   |                                                          | 31-55351         | 31-41 TASK 911        |
|                   |                                                          | 31-55352         | 31-41 TASK 976        |
|                   |                                                          | 31-55401         | 31-41 TASK 840        |
|                   |                                                          | 31-55402         | 31-41 TASK 841        |
|                   |                                                          | 31-55701         | 31-41 TASK 840        |
|                   |                                                          | 31-55702         | 31-41 TASK 841        |
|                   |                                                          | 31-55711         | 31-41 TASK 840        |
|                   |                                                          | 31-55712         | 31-41 TASK 841        |
|                   |                                                          | 31-55721         | 31-41 TASK 840        |
|                   |                                                          | 31-55722         | 31-41 TASK 841        |
|                   |                                                          | 31-55731         | 31-41 TASK 840        |

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| 314 481 42 | Maintenance memo shows on the MAT: DCGF-1 IN RIGHT AIMS. | (continued) |                |
|            |                                                          | 31-55732    | 31-41 TASK 841 |
|            |                                                          | 31-56013    | 31-43 TASK 870 |
|            |                                                          | 31-56014    | 31-43 TASK 871 |
|            |                                                          | 31-56015    | 31-44 TASK 849 |
|            |                                                          | 31-56016    | 31-44 TASK 850 |
|            |                                                          | 31-56102    | 31-41 TASK 845 |
|            |                                                          | 31-56104    | 31-45 TASK 811 |
|            |                                                          | 31-56107    | 31-44 TASK 853 |
|            |                                                          | 31-56108    | 31-44 TASK 854 |
|            |                                                          | 31-56111    | 31-41 TASK 846 |
|            |                                                          | 31-56113    | 31-41 TASK 991 |
|            |                                                          | 31-56117    | 31-44 TASK 861 |
|            |                                                          | 31-56118    | 31-44 TASK 862 |
|            |                                                          | 31-56121    | 31-41 TASK 848 |
|            |                                                          | 31-56122    | 31-41 TASK 849 |
|            |                                                          | 31-56127    | 31-44 TASK 857 |
|            |                                                          | 31-56128    | 31-44 TASK 858 |
|            |                                                          | 31-56331    | 31-41 TASK 919 |
|            |                                                          | 31-56341    | 31-41 TASK 919 |
|            |                                                          | 31-56401    | 31-41 TASK 919 |
|            |                                                          | 31-56402    | 31-41 TASK 920 |
|            |                                                          | 31-56442    | 31-41 TASK 920 |
|            |                                                          | 31-56502    | 31-43 TASK 854 |
|            |                                                          | 31-56531    | 31-43 TASK 824 |
|            |                                                          | 31-56532    | 31-43 TASK 825 |
|            |                                                          | 31-56601    | 31-41 TASK 842 |
|            |                                                          | 31-56602    | 31-41 TASK 843 |
|            |                                                          | 31-57201    | 31-41 TASK 872 |
|            |                                                          | 31-57202    | 31-41 TASK 873 |
|            |                                                          | 31-57211    | 31-41 TASK 923 |
|            |                                                          | 31-57212    | 31-41 TASK 923 |
|            |                                                          | 31-57221    | 31-41 TASK 874 |
|            |                                                          | 31-57222    | 31-41 TASK 923 |
|            |                                                          | 31-57231    | 31-41 TASK 912 |

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|-------------------|----------------------------------------------------------|------------------|-----------------------|
| 314 481 42        | Maintenance memo shows on the MAT: DCGF-1 IN RIGHT AIMS. | (continued)      |                       |
|                   |                                                          | 31-57232         | 31-41 TASK 913        |
|                   |                                                          | 31-57241         | 31-41 TASK 923        |
|                   |                                                          | 31-57242         | 31-41 TASK 923        |
|                   |                                                          | 31-57251         | 31-41 TASK 850        |
|                   |                                                          | 31-57252         | 31-41 TASK 851        |
|                   |                                                          | 31-57261         | 31-41 TASK 875        |
|                   |                                                          | 31-57262         | 31-41 TASK 923        |
|                   |                                                          | 31-57271         | 31-41 TASK 928        |
|                   |                                                          | 31-57272         | 31-41 TASK 929        |
|                   |                                                          | 31-57281         | 31-41 TASK 923        |
|                   |                                                          | 31-57282         | 31-41 TASK 923        |
|                   |                                                          | 31-57291         | 31-41 TASK 924        |
|                   |                                                          | 31-57292         | 31-41 TASK 925        |
|                   |                                                          | 31-57301         | 31-41 TASK 923        |
|                   |                                                          | 31-57302         | 31-41 TASK 923        |
|                   |                                                          | 31-57311         | 31-41 TASK 876        |
|                   |                                                          | 31-57312         | 31-41 TASK 923        |
|                   |                                                          | 31-57321         | 31-41 TASK 926        |
|                   |                                                          | 31-57322         | 31-41 TASK 927        |
|                   |                                                          | 31-57331         | 31-41 TASK 877        |
|                   |                                                          | 31-57332         | 31-41 TASK 878        |
|                   |                                                          | 31-57341         | 31-41 TASK 923        |
|                   |                                                          | 31-57342         | 31-41 TASK 923        |
|                   |                                                          | 31-57351         | 31-41 TASK 879        |
|                   |                                                          | 31-57352         | 31-41 TASK 930        |
|                   |                                                          | 31-57401         | 31-41 TASK 842        |
|                   |                                                          | 31-57402         | 31-41 TASK 843        |
|                   |                                                          | 31-57702         | 31-41 TASK 843        |
|                   |                                                          | 31-57712         | 31-41 TASK 843        |
|                   |                                                          | 31-57721         | 31-41 TASK 842        |
|                   |                                                          | 31-57722         | 31-41 TASK 843        |
|                   |                                                          | 31-57731         | 31-41 TASK 842        |
|                   |                                                          | 31-57732         | 31-41 TASK 843        |
|                   |                                                          | 31-58013         | 31-43 TASK 872        |

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|-------------------|----------------------------------------------------------|------------------|-----------------------|
| 314 481 42        | Maintenance memo shows on the MAT: DCGF-1 IN RIGHT AIMS. | (continued)      |                       |
|                   |                                                          | 31-58014         | 31-43 TASK 873        |
|                   |                                                          | 31-58015         | 31-44 TASK 851        |
|                   |                                                          | 31-58016         | 31-44 TASK 852        |
|                   |                                                          | 31-58101         | 31-41 TASK 852        |
|                   |                                                          | 31-58102         | 31-41 TASK 853        |
|                   |                                                          | 31-58107         | 31-44 TASK 853        |
|                   |                                                          | 31-58108         | 31-44 TASK 854        |
|                   |                                                          | 31-58117         | 31-44 TASK 861        |
|                   |                                                          | 31-58118         | 31-44 TASK 862        |
|                   |                                                          | 31-58121         | 31-41 TASK 856        |
|                   |                                                          | 31-58122         | 31-41 TASK 857        |
|                   |                                                          | 31-58127         | 31-44 TASK 859        |
|                   |                                                          | 31-58128         | 31-44 TASK 860        |
|                   |                                                          | 31-58331         | 31-41 TASK 921        |
|                   |                                                          | 31-58341         | 31-41 TASK 921        |
|                   |                                                          | 31-58401         | 31-41 TASK 921        |
|                   |                                                          | 31-58402         | 31-41 TASK 922        |
|                   |                                                          | 31-58442         | 31-41 TASK 922        |
|                   |                                                          | 31-58511         | 31-43 TASK 854        |
|                   |                                                          | 31-58601         | 31-41 TASK 992        |
|                   |                                                          | 31-58602         | 31-41 TASK 993        |
|                   |                                                          | 31-59201         | 31-41 TASK 880        |
|                   |                                                          | 31-59202         | 31-41 TASK 881        |
|                   |                                                          | 31-59211         | 31-41 TASK 923        |
|                   |                                                          | 31-59212         | 31-41 TASK 923        |
|                   |                                                          | 31-59221         | 31-41 TASK 923        |
|                   |                                                          | 31-59222         | 31-41 TASK 923        |
|                   |                                                          | 31-59231         | 31-41 TASK 931        |
|                   |                                                          | 31-59232         | 31-41 TASK 923        |
|                   |                                                          | 31-59241         | 31-41 TASK 923        |
|                   |                                                          | 31-59242         | 31-41 TASK 923        |
|                   |                                                          | 31-59251         | 31-41 TASK 860        |
|                   |                                                          | 31-59252         | 31-41 TASK 861        |
|                   |                                                          | 31-59261         | 31-41 TASK 923        |

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|-------------------|-------------------------------------------------------------|------------------|-----------------------|
| 314 481 42        | Maintenance memo shows on the<br>MAT: DCGF-1 IN RIGHT AIMS. | (continued)      |                       |
|                   |                                                             | 31-59262         | 31-41 TASK 923        |
|                   |                                                             | 31-59271         | 31-41 TASK 932        |
|                   |                                                             | 31-59272         | 31-41 TASK 973        |
|                   |                                                             | 31-59281         | 31-41 TASK 923        |
|                   |                                                             | 31-59282         | 31-41 TASK 923        |
|                   |                                                             | 31-59291         | 31-41 TASK 949        |
|                   |                                                             | 31-59292         | 31-41 TASK 950        |
|                   |                                                             | 31-59301         | 31-41 TASK 923        |
|                   |                                                             | 31-59302         | 31-41 TASK 923        |
|                   |                                                             | 31-59311         | 31-41 TASK 974        |
|                   |                                                             | 31-59312         | 31-41 TASK 923        |
|                   |                                                             | 31-59321         | 31-41 TASK 953        |
|                   |                                                             | 31-59322         | 31-41 TASK 954        |
|                   |                                                             | 31-59331         | 31-41 TASK 882        |
|                   |                                                             | 31-59332         | 31-41 TASK 883        |
|                   |                                                             | 31-59341         | 31-41 TASK 923        |
|                   |                                                             | 31-59342         | 31-41 TASK 923        |
|                   |                                                             | 31-59351         | 31-41 TASK 955        |
|                   |                                                             | 31-59352         | 31-41 TASK 956        |
|                   |                                                             | 31-59401         | 31-41 TASK 992        |
|                   |                                                             | 31-59402         | 31-41 TASK 993        |
|                   |                                                             | 31-59701         | 31-41 TASK 858        |
|                   |                                                             | 31-59711         | 31-41 TASK 858        |
|                   |                                                             | 31-59721         | 31-41 TASK 858        |
|                   |                                                             | 31-59731         | 31-41 TASK 858        |
|                   |                                                             | 31-59732         | 31-41 TASK 859        |
|                   |                                                             | 31-61032         | 31-41 TASK 891        |
|                   |                                                             | 31-61042         | 31-43 TASK 836        |
|                   |                                                             | 31-61052         | 31-43 TASK 838        |
|                   |                                                             | 31-61062         | 31-43 TASK 840        |
|                   |                                                             | 31-61111         | 31-43 TASK 856        |
|                   |                                                             | 31-61112         | 31-43 TASK 856        |
|                   |                                                             | 31-61113         | 31-43 TASK 856        |
|                   |                                                             | 31-61114         | 31-43 TASK 856        |

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|-------------------|----------------------------------------------------------|------------------|-----------------------|
| 314 481 42        | Maintenance memo shows on the MAT: DCGF-1 IN RIGHT AIMS. | (continued)      |                       |
|                   |                                                          | 31-61115         | 31-43 TASK 856        |
|                   |                                                          | 31-61116         | 31-43 TASK 856        |
|                   |                                                          | 31-61117         | 31-43 TASK 856        |
|                   |                                                          | 31-61118         | 31-43 TASK 856        |
|                   |                                                          | 31-61211         | 31-43 TASK 864        |
|                   |                                                          | 31-61212         | 31-43 TASK 874        |
|                   |                                                          | 31-61213         | 31-43 TASK 864        |
|                   |                                                          | 31-61214         | 31-43 TASK 874        |
|                   |                                                          | 31-61215         | 31-43 TASK 874        |
|                   |                                                          | 31-61216         | 31-43 TASK 864        |
|                   |                                                          | 31-61217         | 31-43 TASK 874        |
|                   |                                                          | 31-61218         | 31-43 TASK 864        |
|                   |                                                          | 31-68801         | 31-43 TASK 892        |
|                   |                                                          | 31-68802         | 31-43 TASK 893        |
| 314 482 41        | Maintenance memo shows on the MAT: DCGF-2 IN LEFT AIMS.  | 23-81001         | 23-91 TASK 801        |
|                   |                                                          | 23-81002         | 23-91 TASK 802        |
|                   |                                                          | 23-81003         | 23-91 TASK 803        |
|                   |                                                          | 23-81004         | 23-91 TASK 804        |
|                   |                                                          | 23-81005         | 23-91 TASK 805        |
|                   |                                                          | 23-81006         | 23-91 TASK 806        |
|                   |                                                          | 23-81007         | 23-91 TASK 807        |
|                   |                                                          | 24-11787         | 24-32 TASK 817        |
|                   |                                                          | 24-12051         | 24-32 TASK 819        |
|                   |                                                          | 24-12056         | 24-32 TASK 820        |
|                   |                                                          | 24-13801         | 24-61 TASK 805        |
|                   |                                                          | 24-13815         | 24-61 TASK 806        |
|                   |                                                          | 31-50007         | 31-44 TASK 821        |
|                   |                                                          | 31-50008         | 31-44 TASK 822        |
|                   |                                                          | 31-50017         | 31-44 TASK 823        |
|                   |                                                          | 31-50018         | 31-44 TASK 824        |
|                   |                                                          | 31-50027         | 31-44 TASK 825        |
|                   |                                                          | 31-50028         | 31-44 TASK 826        |
|                   |                                                          | 31-50087         | 31-45 TASK 806        |

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| 314 482 41 | Maintenance memo shows on the MAT: DCGF-2 IN LEFT AIMS. | (continued) |                |
|            |                                                         | 31-50088    | 31-45 TASK 807 |
|            |                                                         | 31-50097    | 31-45 TASK 806 |
|            |                                                         | 31-50098    | 31-45 TASK 807 |
|            |                                                         | 31-50201    | 31-43 TASK 852 |
|            |                                                         | 31-50202    | 31-43 TASK 853 |
|            |                                                         | 31-50417    | 31-44 TASK 884 |
|            |                                                         | 31-50418    | 31-44 TASK 885 |
|            |                                                         | 31-50427    | 31-44 TASK 886 |
|            |                                                         | 31-50428    | 31-44 TASK 887 |
|            |                                                         | 31-50437    | 31-44 TASK 888 |
|            |                                                         | 31-50438    | 31-44 TASK 889 |
|            |                                                         | 31-50447    | 31-44 TASK 890 |
|            |                                                         | 31-50448    | 31-44 TASK 891 |
|            |                                                         | 31-50517    | 31-45 TASK 806 |
|            |                                                         | 31-50518    | 31-45 TASK 807 |
|            |                                                         | 31-50527    | 31-45 TASK 806 |
|            |                                                         | 31-50528    | 31-45 TASK 807 |
|            |                                                         | 31-50537    | 31-45 TASK 806 |
|            |                                                         | 31-50538    | 31-45 TASK 807 |
|            |                                                         | 31-50539    | 31-44 TASK 898 |
|            |                                                         | 31-50540    | 31-44 TASK 899 |
|            |                                                         | 31-50547    | 31-45 TASK 806 |
|            |                                                         | 31-50548    | 31-45 TASK 807 |
|            |                                                         | 31-51013    | 31-44 TASK 863 |
|            |                                                         | 31-51014    | 31-44 TASK 864 |
|            |                                                         | 31-51017    | 31-43 TASK 801 |
|            |                                                         | 31-51018    | 31-43 TASK 802 |
|            |                                                         | 31-51023    | 31-44 TASK 865 |
|            |                                                         | 31-51024    | 31-44 TASK 866 |
|            |                                                         | 31-51027    | 31-43 TASK 803 |
|            |                                                         | 31-51028    | 31-43 TASK 804 |
|            |                                                         | 31-51033    | 31-44 TASK 869 |
|            |                                                         | 31-51034    | 31-44 TASK 870 |
|            |                                                         | 31-51043    | 31-44 TASK 871 |

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|-------------------|------------------------------------------------------------|------------------|-----------------------|
| 314 482 41        | Maintenance memo shows on the<br>MAT: DCGF-2 IN LEFT AIMS. | (continued)      |                       |
|                   |                                                            | 31-51044         | 31-44 TASK 872        |
|                   |                                                            | 31-51107         | 31-44 TASK 853        |
|                   |                                                            | 31-51108         | 31-44 TASK 854        |
|                   |                                                            | 31-51117         | 31-44 TASK 855        |
|                   |                                                            | 31-51118         | 31-44 TASK 856        |
|                   |                                                            | 31-51127         | 31-44 TASK 857        |
|                   |                                                            | 31-51128         | 31-44 TASK 858        |
|                   |                                                            | 31-51141         | 31-44 TASK 827        |
|                   |                                                            | 31-51142         | 31-44 TASK 828        |
|                   |                                                            | 31-51143         | 31-44 TASK 831        |
|                   |                                                            | 31-51144         | 31-44 TASK 832        |
|                   |                                                            | 31-51307         | 31-44 TASK 853        |
|                   |                                                            | 31-51308         | 31-44 TASK 854        |
|                   |                                                            | 31-51317         | 31-44 TASK 855        |
|                   |                                                            | 31-51318         | 31-44 TASK 856        |
|                   |                                                            | 31-51327         | 31-44 TASK 859        |
|                   |                                                            | 31-51328         | 31-44 TASK 860        |
|                   |                                                            | 31-51341         | 31-44 TASK 833        |
|                   |                                                            | 31-51342         | 31-44 TASK 834        |
|                   |                                                            | 31-51343         | 31-44 TASK 835        |
|                   |                                                            | 31-51344         | 31-44 TASK 836        |
|                   |                                                            | 31-51517         | 31-44 TASK 861        |
|                   |                                                            | 31-51518         | 31-44 TASK 862        |
|                   |                                                            | 31-51527         | 31-44 TASK 857        |
|                   |                                                            | 31-51528         | 31-44 TASK 858        |
|                   |                                                            | 31-51717         | 31-44 TASK 861        |
|                   |                                                            | 31-51718         | 31-44 TASK 862        |
|                   |                                                            | 31-51727         | 31-44 TASK 859        |
|                   |                                                            | 31-51728         | 31-44 TASK 860        |
|                   |                                                            | 31-52013         | 31-43 TASK 866        |
|                   |                                                            | 31-52014         | 31-43 TASK 867        |
|                   |                                                            | 31-52015         | 31-44 TASK 845        |
|                   |                                                            | 31-52016         | 31-44 TASK 846        |
|                   |                                                            | 31-52025         | 31-44 TASK 892        |

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| 314 482 41 | Maintenance memo shows on the<br>MAT: DCGF-2 IN LEFT AIMS. | (continued) |                |
|            |                                                            | 31-52026    | 31-44 TASK 893 |
|            |                                                            | 31-52101    | 31-41 TASK 817 |
|            |                                                            | 31-52107    | 31-44 TASK 853 |
|            |                                                            | 31-52108    | 31-44 TASK 854 |
|            |                                                            | 31-52112    | 31-41 TASK 820 |
|            |                                                            | 31-52114    | 31-45 TASK 809 |
|            |                                                            | 31-52117    | 31-44 TASK 855 |
|            |                                                            | 31-52118    | 31-44 TASK 856 |
|            |                                                            | 31-52121    | 31-41 TASK 821 |
|            |                                                            | 31-52122    | 31-41 TASK 822 |
|            |                                                            | 31-52127    | 31-44 TASK 857 |
|            |                                                            | 31-52128    | 31-44 TASK 858 |
|            |                                                            | 31-52271    | 31-41 TASK 914 |
|            |                                                            | 31-52272    | 31-41 TASK 915 |
|            |                                                            | 31-52331    | 31-41 TASK 914 |
|            |                                                            | 31-52402    | 31-41 TASK 915 |
|            |                                                            | 31-52501    | 31-43 TASK 809 |
|            |                                                            | 31-52502    | 31-43 TASK 810 |
|            |                                                            | 31-52542    | 31-43 TASK 816 |
|            |                                                            | 31-52601    | 31-41 TASK 832 |
|            |                                                            | 31-52602    | 31-41 TASK 833 |
|            |                                                            | 31-53201    | 31-41 TASK 923 |
|            |                                                            | 31-53202    | 31-41 TASK 923 |
|            |                                                            | 31-53211    | 31-41 TASK 823 |
|            |                                                            | 31-53212    | 31-41 TASK 923 |
|            |                                                            | 31-53221    | 31-41 TASK 923 |
|            |                                                            | 31-53222    | 31-41 TASK 923 |
|            |                                                            | 31-53231    | 31-41 TASK 923 |
|            |                                                            | 31-53232    | 31-41 TASK 923 |
|            |                                                            | 31-53241    | 31-41 TASK 824 |
|            |                                                            | 31-53242    | 31-41 TASK 825 |
|            |                                                            | 31-53251    | 31-41 TASK 826 |
|            |                                                            | 31-53252    | 31-41 TASK 827 |
|            |                                                            | 31-53261    | 31-41 TASK 923 |

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| 314 482 41 | Maintenance memo shows on the MAT: DCGF-2 IN LEFT AIMS. | (continued) |                |
|            |                                                         | 31-53262    | 31-41 TASK 923 |
|            |                                                         | 31-53271    | 31-41 TASK 923 |
|            |                                                         | 31-53272    | 31-41 TASK 923 |
|            |                                                         | 31-53281    | 31-41 TASK 863 |
|            |                                                         | 31-53282    | 31-41 TASK 864 |
|            |                                                         | 31-53291    | 31-41 TASK 865 |
|            |                                                         | 31-53292    | 31-41 TASK 866 |
|            |                                                         | 31-53301    | 31-41 TASK 923 |
|            |                                                         | 31-53302    | 31-41 TASK 923 |
|            |                                                         | 31-53311    | 31-41 TASK 923 |
|            |                                                         | 31-53312    | 31-41 TASK 951 |
|            |                                                         | 31-53321    | 31-41 TASK 959 |
|            |                                                         | 31-53322    | 31-41 TASK 960 |
|            |                                                         | 31-53331    | 31-41 TASK 961 |
|            |                                                         | 31-53332    | 31-41 TASK 962 |
|            |                                                         | 31-53341    | 31-41 TASK 923 |
|            |                                                         | 31-53342    | 31-41 TASK 923 |
|            |                                                         | 31-53351    | 31-41 TASK 952 |
|            |                                                         | 31-53352    | 31-41 TASK 910 |
|            |                                                         | 31-53401    | 31-41 TASK 832 |
|            |                                                         | 31-53402    | 31-41 TASK 833 |
|            |                                                         | 31-53701    | 31-41 TASK 832 |
|            |                                                         | 31-53702    | 31-41 TASK 833 |
|            |                                                         | 31-53711    | 31-41 TASK 832 |
|            |                                                         | 31-53712    | 31-41 TASK 833 |
|            |                                                         | 31-53721    | 31-41 TASK 832 |
|            |                                                         | 31-53722    | 31-41 TASK 833 |
|            |                                                         | 31-53732    | 31-41 TASK 833 |
|            |                                                         | 31-54013    | 31-43 TASK 868 |
|            |                                                         | 31-54014    | 31-43 TASK 869 |
|            |                                                         | 31-54015    | 31-44 TASK 847 |
|            |                                                         | 31-54016    | 31-44 TASK 848 |
|            |                                                         | 31-54101    | 31-41 TASK 834 |
|            |                                                         | 31-54102    | 31-41 TASK 835 |

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| 314 482 41 | Maintenance memo shows on the<br>MAT: DCGF-2 IN LEFT AIMS. | (continued) |                |
|            |                                                            | 31-54107    | 31-44 TASK 853 |
|            |                                                            | 31-54108    | 31-44 TASK 854 |
|            |                                                            | 31-54117    | 31-44 TASK 855 |
|            |                                                            | 31-54118    | 31-44 TASK 856 |
|            |                                                            | 31-54121    | 31-41 TASK 838 |
|            |                                                            | 31-54122    | 31-41 TASK 839 |
|            |                                                            | 31-54127    | 31-44 TASK 859 |
|            |                                                            | 31-54128    | 31-44 TASK 860 |
|            |                                                            | 31-54211    | 31-41 TASK 916 |
|            |                                                            | 31-54331    | 31-41 TASK 916 |
|            |                                                            | 31-54402    | 31-41 TASK 917 |
|            |                                                            | 31-54601    | 31-41 TASK 840 |
|            |                                                            | 31-54602    | 31-41 TASK 841 |
|            |                                                            | 31-55201    | 31-41 TASK 923 |
|            |                                                            | 31-55202    | 31-41 TASK 923 |
|            |                                                            | 31-55211    | 31-41 TASK 867 |
|            |                                                            | 31-55212    | 31-41 TASK 923 |
|            |                                                            | 31-55221    | 31-41 TASK 923 |
|            |                                                            | 31-55222    | 31-41 TASK 923 |
|            |                                                            | 31-55231    | 31-41 TASK 923 |
|            |                                                            | 31-55232    | 31-41 TASK 923 |
|            |                                                            | 31-55241    | 31-41 TASK 828 |
|            |                                                            | 31-55242    | 31-41 TASK 829 |
|            |                                                            | 31-55251    | 31-41 TASK 830 |
|            |                                                            | 31-55252    | 31-41 TASK 831 |
|            |                                                            | 31-55261    | 31-41 TASK 923 |
|            |                                                            | 31-55262    | 31-41 TASK 923 |
|            |                                                            | 31-55271    | 31-41 TASK 923 |
|            |                                                            | 31-55272    | 31-41 TASK 923 |
|            |                                                            | 31-55281    | 31-41 TASK 868 |
|            |                                                            | 31-55282    | 31-41 TASK 869 |
|            |                                                            | 31-55291    | 31-41 TASK 870 |
|            |                                                            | 31-55292    | 31-41 TASK 871 |
|            |                                                            | 31-55301    | 31-41 TASK 923 |

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| 314 482 41 | Maintenance memo shows on the<br>MAT: DCGF-2 IN LEFT AIMS. | (continued) |                |
|            |                                                            | 31-55302    | 31-41 TASK 923 |
|            |                                                            | 31-55311    | 31-41 TASK 923 |
|            |                                                            | 31-55312    | 31-41 TASK 923 |
|            |                                                            | 31-55321    | 31-41 TASK 963 |
|            |                                                            | 31-55322    | 31-41 TASK 964 |
|            |                                                            | 31-55331    | 31-41 TASK 965 |
|            |                                                            | 31-55332    | 31-41 TASK 966 |
|            |                                                            | 31-55341    | 31-41 TASK 923 |
|            |                                                            | 31-55342    | 31-41 TASK 923 |
|            |                                                            | 31-55351    | 31-41 TASK 911 |
|            |                                                            | 31-55352    | 31-41 TASK 976 |
|            |                                                            | 31-55401    | 31-41 TASK 840 |
|            |                                                            | 31-55402    | 31-41 TASK 841 |
|            |                                                            | 31-55701    | 31-41 TASK 840 |
|            |                                                            | 31-55721    | 31-41 TASK 840 |
|            |                                                            | 31-55732    | 31-41 TASK 841 |
|            |                                                            | 31-56013    | 31-43 TASK 870 |
|            |                                                            | 31-56014    | 31-43 TASK 871 |
|            |                                                            | 31-56015    | 31-44 TASK 849 |
|            |                                                            | 31-56016    | 31-44 TASK 850 |
|            |                                                            | 31-56102    | 31-41 TASK 845 |
|            |                                                            | 31-56104    | 31-45 TASK 811 |
|            |                                                            | 31-56107    | 31-44 TASK 853 |
|            |                                                            | 31-56108    | 31-44 TASK 854 |
|            |                                                            | 31-56111    | 31-41 TASK 846 |
|            |                                                            | 31-56113    | 31-41 TASK 991 |
|            |                                                            | 31-56117    | 31-44 TASK 861 |
|            |                                                            | 31-56118    | 31-44 TASK 862 |
|            |                                                            | 31-56121    | 31-41 TASK 848 |
|            |                                                            | 31-56122    | 31-41 TASK 849 |
|            |                                                            | 31-56127    | 31-44 TASK 857 |
|            |                                                            | 31-56128    | 31-44 TASK 858 |
|            |                                                            | 31-56401    | 31-41 TASK 919 |
|            |                                                            | 31-56402    | 31-41 TASK 920 |

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|------------|---------------------------------------------------------|-------------|----------------|
| 314 482 41 | Maintenance memo shows on the MAT: DCGF-2 IN LEFT AIMS. | (continued) |                |
|            |                                                         | 31-56501    | 31-43 TASK 854 |
|            |                                                         | 31-56601    | 31-41 TASK 842 |
|            |                                                         | 31-56602    | 31-41 TASK 843 |
|            |                                                         | 31-57201    | 31-41 TASK 872 |
|            |                                                         | 31-57202    | 31-41 TASK 873 |
|            |                                                         | 31-57211    | 31-41 TASK 923 |
|            |                                                         | 31-57212    | 31-41 TASK 923 |
|            |                                                         | 31-57221    | 31-41 TASK 874 |
|            |                                                         | 31-57222    | 31-41 TASK 923 |
|            |                                                         | 31-57231    | 31-41 TASK 912 |
|            |                                                         | 31-57232    | 31-41 TASK 913 |
|            |                                                         | 31-57241    | 31-41 TASK 923 |
|            |                                                         | 31-57242    | 31-41 TASK 923 |
|            |                                                         | 31-57251    | 31-41 TASK 850 |
|            |                                                         | 31-57252    | 31-41 TASK 851 |
|            |                                                         | 31-57261    | 31-41 TASK 875 |
|            |                                                         | 31-57262    | 31-41 TASK 923 |
|            |                                                         | 31-57271    | 31-41 TASK 928 |
|            |                                                         | 31-57272    | 31-41 TASK 929 |
|            |                                                         | 31-57281    | 31-41 TASK 923 |
|            |                                                         | 31-57282    | 31-41 TASK 923 |
|            |                                                         | 31-57291    | 31-41 TASK 924 |
|            |                                                         | 31-57292    | 31-41 TASK 925 |
|            |                                                         | 31-57301    | 31-41 TASK 923 |
|            |                                                         | 31-57302    | 31-41 TASK 923 |
|            |                                                         | 31-57311    | 31-41 TASK 876 |
|            |                                                         | 31-57312    | 31-41 TASK 923 |
|            |                                                         | 31-57321    | 31-41 TASK 926 |
|            |                                                         | 31-57322    | 31-41 TASK 927 |
|            |                                                         | 31-57331    | 31-41 TASK 877 |
|            |                                                         | 31-57332    | 31-41 TASK 878 |
|            |                                                         | 31-57341    | 31-41 TASK 923 |
|            |                                                         | 31-57342    | 31-41 TASK 923 |
|            |                                                         | 31-57351    | 31-41 TASK 879 |

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| 314 482 41 | Maintenance memo shows on the<br>MAT: DCGF-2 IN LEFT AIMS. | (continued) |                |
|            |                                                            | 31-57352    | 31-41 TASK 930 |
|            |                                                            | 31-57401    | 31-41 TASK 842 |
|            |                                                            | 31-57402    | 31-41 TASK 843 |
|            |                                                            | 31-57701    | 31-41 TASK 842 |
|            |                                                            | 31-57711    | 31-41 TASK 842 |
|            |                                                            | 31-57731    | 31-41 TASK 842 |
|            |                                                            | 31-57732    | 31-41 TASK 843 |
|            |                                                            | 31-58013    | 31-43 TASK 872 |
|            |                                                            | 31-58014    | 31-43 TASK 873 |
|            |                                                            | 31-58015    | 31-44 TASK 851 |
|            |                                                            | 31-58016    | 31-44 TASK 852 |
|            |                                                            | 31-58101    | 31-41 TASK 852 |
|            |                                                            | 31-58102    | 31-41 TASK 853 |
|            |                                                            | 31-58107    | 31-44 TASK 853 |
|            |                                                            | 31-58108    | 31-44 TASK 854 |
|            |                                                            | 31-58117    | 31-44 TASK 861 |
|            |                                                            | 31-58118    | 31-44 TASK 862 |
|            |                                                            | 31-58121    | 31-41 TASK 856 |
|            |                                                            | 31-58122    | 31-41 TASK 857 |
|            |                                                            | 31-58127    | 31-44 TASK 859 |
|            |                                                            | 31-58128    | 31-44 TASK 860 |
|            |                                                            | 31-58322    | 31-41 TASK 922 |
|            |                                                            | 31-58401    | 31-41 TASK 921 |
|            |                                                            | 31-58402    | 31-41 TASK 922 |
|            |                                                            | 31-58601    | 31-41 TASK 992 |
|            |                                                            | 31-58602    | 31-41 TASK 993 |
|            |                                                            | 31-59201    | 31-41 TASK 880 |
|            |                                                            | 31-59202    | 31-41 TASK 881 |
|            |                                                            | 31-59211    | 31-41 TASK 923 |
|            |                                                            | 31-59212    | 31-41 TASK 923 |
|            |                                                            | 31-59221    | 31-41 TASK 923 |
|            |                                                            | 31-59222    | 31-41 TASK 923 |
|            |                                                            | 31-59231    | 31-41 TASK 931 |
|            |                                                            | 31-59232    | 31-41 TASK 923 |

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|------------|------------------------------------------------------------|-------------|----------------|
| 314 482 41 | Maintenance memo shows on the<br>MAT: DCGF-2 IN LEFT AIMS. | (continued) |                |
|            |                                                            | 31-59241    | 31-41 TASK 923 |
|            |                                                            | 31-59242    | 31-41 TASK 923 |
|            |                                                            | 31-59251    | 31-41 TASK 860 |
|            |                                                            | 31-59252    | 31-41 TASK 861 |
|            |                                                            | 31-59261    | 31-41 TASK 923 |
|            |                                                            | 31-59262    | 31-41 TASK 923 |
|            |                                                            | 31-59271    | 31-41 TASK 932 |
|            |                                                            | 31-59272    | 31-41 TASK 973 |
|            |                                                            | 31-59281    | 31-41 TASK 923 |
|            |                                                            | 31-59282    | 31-41 TASK 923 |
|            |                                                            | 31-59291    | 31-41 TASK 949 |
|            |                                                            | 31-59292    | 31-41 TASK 950 |
|            |                                                            | 31-59301    | 31-41 TASK 923 |
|            |                                                            | 31-59302    | 31-41 TASK 923 |
|            |                                                            | 31-59311    | 31-41 TASK 974 |
|            |                                                            | 31-59312    | 31-41 TASK 923 |
|            |                                                            | 31-59321    | 31-41 TASK 953 |
|            |                                                            | 31-59322    | 31-41 TASK 954 |
|            |                                                            | 31-59331    | 31-41 TASK 882 |
|            |                                                            | 31-59332    | 31-41 TASK 883 |
|            |                                                            | 31-59341    | 31-41 TASK 923 |
|            |                                                            | 31-59342    | 31-41 TASK 923 |
|            |                                                            | 31-59351    | 31-41 TASK 955 |
|            |                                                            | 31-59352    | 31-41 TASK 956 |
|            |                                                            | 31-59401    | 31-41 TASK 992 |
|            |                                                            | 31-59402    | 31-41 TASK 993 |
|            |                                                            | 31-59712    | 31-41 TASK 859 |
|            |                                                            | 31-59731    | 31-41 TASK 858 |
|            |                                                            | 31-59732    | 31-41 TASK 859 |
|            |                                                            | 31-61111    | 31-43 TASK 856 |
|            |                                                            | 31-61112    | 31-43 TASK 856 |
|            |                                                            | 31-61113    | 31-43 TASK 856 |
|            |                                                            | 31-61114    | 31-43 TASK 856 |
|            |                                                            | 31-61115    | 31-43 TASK 856 |

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|-------------------|----------------------------------------------------------|------------------|-----------------------|
| 314 482 41        | Maintenance memo shows on the MAT: DCGF-2 IN LEFT AIMS.  | (continued)      |                       |
|                   |                                                          | 31-61116         | 31-43 TASK 856        |
|                   |                                                          | 31-61117         | 31-43 TASK 856        |
|                   |                                                          | 31-61118         | 31-43 TASK 856        |
|                   |                                                          | 31-62031         | 31-43 TASK 846        |
|                   |                                                          | 31-62041         | 31-43 TASK 848        |
|                   |                                                          | 31-62211         | 31-43 TASK 864        |
|                   |                                                          | 31-62212         | 31-43 TASK 874        |
|                   |                                                          | 31-62213         | 31-43 TASK 864        |
|                   |                                                          | 31-62214         | 31-43 TASK 874        |
|                   |                                                          | 31-62215         | 31-43 TASK 874        |
|                   |                                                          | 31-62216         | 31-43 TASK 864        |
|                   |                                                          | 31-62217         | 31-43 TASK 874        |
|                   |                                                          | 31-62218         | 31-43 TASK 864        |
|                   |                                                          | 31-68801         | 31-43 TASK 892        |
|                   |                                                          | 31-68802         | 31-43 TASK 893        |
| 314 482 42        | Maintenance memo shows on the MAT: DCGF-2 IN RIGHT AIMS. | 23-81001         | 23-91 TASK 801        |
|                   |                                                          | 23-81002         | 23-91 TASK 802        |
|                   |                                                          | 23-81003         | 23-91 TASK 803        |
|                   |                                                          | 23-81004         | 23-91 TASK 804        |
|                   |                                                          | 23-81005         | 23-91 TASK 805        |
|                   |                                                          | 23-81006         | 23-91 TASK 806        |
|                   |                                                          | 23-81007         | 23-91 TASK 807        |
|                   |                                                          | 24-11787         | 24-32 TASK 817        |
|                   |                                                          | 24-12051         | 24-32 TASK 819        |
|                   |                                                          | 24-12056         | 24-32 TASK 820        |
|                   |                                                          | 24-13801         | 24-61 TASK 805        |
|                   |                                                          | 24-13815         | 24-61 TASK 806        |
|                   |                                                          | 31-50007         | 31-44 TASK 821        |
|                   |                                                          | 31-50008         | 31-44 TASK 822        |
|                   |                                                          | 31-50017         | 31-44 TASK 823        |
|                   |                                                          | 31-50018         | 31-44 TASK 824        |
|                   |                                                          | 31-50027         | 31-44 TASK 825        |
|                   |                                                          | 31-50028         | 31-44 TASK 826        |

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|-------------------|----------------------------------------------------------|------------------|-----------------------|
| 314 482 42        | Maintenance memo shows on the MAT: DCGF-2 IN RIGHT AIMS. | (continued)      |                       |
|                   |                                                          | 31-50087         | 31-45 TASK 806        |
|                   |                                                          | 31-50088         | 31-45 TASK 807        |
|                   |                                                          | 31-50097         | 31-45 TASK 806        |
|                   |                                                          | 31-50098         | 31-45 TASK 807        |
|                   |                                                          | 31-50201         | 31-43 TASK 852        |
|                   |                                                          | 31-50202         | 31-43 TASK 853        |
|                   |                                                          | 31-50417         | 31-44 TASK 884        |
|                   |                                                          | 31-50418         | 31-44 TASK 885        |
|                   |                                                          | 31-50427         | 31-44 TASK 886        |
|                   |                                                          | 31-50428         | 31-44 TASK 887        |
|                   |                                                          | 31-50437         | 31-44 TASK 888        |
|                   |                                                          | 31-50438         | 31-44 TASK 889        |
|                   |                                                          | 31-50447         | 31-44 TASK 890        |
|                   |                                                          | 31-50448         | 31-44 TASK 891        |
|                   |                                                          | 31-50517         | 31-45 TASK 806        |
|                   |                                                          | 31-50518         | 31-45 TASK 807        |
|                   |                                                          | 31-50527         | 31-45 TASK 806        |
|                   |                                                          | 31-50528         | 31-45 TASK 807        |
|                   |                                                          | 31-50537         | 31-45 TASK 806        |
|                   |                                                          | 31-50538         | 31-45 TASK 807        |
|                   |                                                          | 31-50539         | 31-44 TASK 898        |
|                   |                                                          | 31-50540         | 31-44 TASK 899        |
|                   |                                                          | 31-50547         | 31-45 TASK 806        |
|                   |                                                          | 31-50548         | 31-45 TASK 807        |
|                   |                                                          | 31-51013         | 31-44 TASK 863        |
|                   |                                                          | 31-51014         | 31-44 TASK 864        |
|                   |                                                          | 31-51017         | 31-43 TASK 801        |
|                   |                                                          | 31-51018         | 31-43 TASK 802        |
|                   |                                                          | 31-51023         | 31-44 TASK 865        |
|                   |                                                          | 31-51024         | 31-44 TASK 866        |
|                   |                                                          | 31-51027         | 31-43 TASK 803        |
|                   |                                                          | 31-51028         | 31-43 TASK 804        |
|                   |                                                          | 31-51033         | 31-44 TASK 869        |
|                   |                                                          | 31-51034         | 31-44 TASK 870        |

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| 314 482 42        | Maintenance memo shows on the MAT: DCGF-2 IN RIGHT AIMS. | (continued)      |                       |
|                   |                                                          | 31-51043         | 31-44 TASK 871        |
|                   |                                                          | 31-51044         | 31-44 TASK 872        |
|                   |                                                          | 31-51107         | 31-44 TASK 853        |
|                   |                                                          | 31-51108         | 31-44 TASK 854        |
|                   |                                                          | 31-51117         | 31-44 TASK 855        |
|                   |                                                          | 31-51118         | 31-44 TASK 856        |
|                   |                                                          | 31-51127         | 31-44 TASK 857        |
|                   |                                                          | 31-51128         | 31-44 TASK 858        |
|                   |                                                          | 31-51141         | 31-44 TASK 827        |
|                   |                                                          | 31-51142         | 31-44 TASK 828        |
|                   |                                                          | 31-51143         | 31-44 TASK 831        |
|                   |                                                          | 31-51144         | 31-44 TASK 832        |
|                   |                                                          | 31-51307         | 31-44 TASK 853        |
|                   |                                                          | 31-51308         | 31-44 TASK 854        |
|                   |                                                          | 31-51317         | 31-44 TASK 855        |
|                   |                                                          | 31-51318         | 31-44 TASK 856        |
|                   |                                                          | 31-51327         | 31-44 TASK 859        |
|                   |                                                          | 31-51328         | 31-44 TASK 860        |
|                   |                                                          | 31-51341         | 31-44 TASK 833        |
|                   |                                                          | 31-51342         | 31-44 TASK 834        |
|                   |                                                          | 31-51343         | 31-44 TASK 835        |
|                   |                                                          | 31-51344         | 31-44 TASK 836        |
|                   |                                                          | 31-51517         | 31-44 TASK 861        |
|                   |                                                          | 31-51518         | 31-44 TASK 862        |
|                   |                                                          | 31-51527         | 31-44 TASK 857        |
|                   |                                                          | 31-51528         | 31-44 TASK 858        |
|                   |                                                          | 31-51717         | 31-44 TASK 861        |
|                   |                                                          | 31-51718         | 31-44 TASK 862        |
|                   |                                                          | 31-51727         | 31-44 TASK 859        |
|                   |                                                          | 31-51728         | 31-44 TASK 860        |
|                   |                                                          | 31-52013         | 31-43 TASK 866        |
|                   |                                                          | 31-52014         | 31-43 TASK 867        |
|                   |                                                          | 31-52015         | 31-44 TASK 845        |
|                   |                                                          | 31-52016         | 31-44 TASK 846        |

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| 314 482 42 | Maintenance memo shows on the MAT: DCGF-2 IN RIGHT AIMS. | (continued) |                |
|            |                                                          | 31-52025    | 31-44 TASK 892 |
|            |                                                          | 31-52026    | 31-44 TASK 893 |
|            |                                                          | 31-52101    | 31-41 TASK 817 |
|            |                                                          | 31-52107    | 31-44 TASK 853 |
|            |                                                          | 31-52108    | 31-44 TASK 854 |
|            |                                                          | 31-52112    | 31-41 TASK 820 |
|            |                                                          | 31-52114    | 31-45 TASK 809 |
|            |                                                          | 31-52117    | 31-44 TASK 855 |
|            |                                                          | 31-52118    | 31-44 TASK 856 |
|            |                                                          | 31-52121    | 31-41 TASK 821 |
|            |                                                          | 31-52122    | 31-41 TASK 822 |
|            |                                                          | 31-52127    | 31-44 TASK 857 |
|            |                                                          | 31-52128    | 31-44 TASK 858 |
|            |                                                          | 31-52271    | 31-41 TASK 914 |
|            |                                                          | 31-52272    | 31-41 TASK 915 |
|            |                                                          | 31-52331    | 31-41 TASK 914 |
|            |                                                          | 31-52402    | 31-41 TASK 915 |
|            |                                                          | 31-52501    | 31-43 TASK 809 |
|            |                                                          | 31-52502    | 31-43 TASK 810 |
|            |                                                          | 31-52542    | 31-43 TASK 816 |
|            |                                                          | 31-52601    | 31-41 TASK 832 |
|            |                                                          | 31-52602    | 31-41 TASK 833 |
|            |                                                          | 31-53201    | 31-41 TASK 923 |
|            |                                                          | 31-53202    | 31-41 TASK 923 |
|            |                                                          | 31-53211    | 31-41 TASK 823 |
|            |                                                          | 31-53212    | 31-41 TASK 923 |
|            |                                                          | 31-53221    | 31-41 TASK 923 |
|            |                                                          | 31-53222    | 31-41 TASK 923 |
|            |                                                          | 31-53231    | 31-41 TASK 923 |
|            |                                                          | 31-53232    | 31-41 TASK 923 |
|            |                                                          | 31-53241    | 31-41 TASK 824 |
|            |                                                          | 31-53242    | 31-41 TASK 825 |
|            |                                                          | 31-53251    | 31-41 TASK 826 |
|            |                                                          | 31-53252    | 31-41 TASK 827 |

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| 314 482 42        | Maintenance memo shows on the MAT: DCGF-2 IN RIGHT AIMS. | (continued)      |                       |
|                   |                                                          | 31-53261         | 31-41 TASK 923        |
|                   |                                                          | 31-53262         | 31-41 TASK 923        |
|                   |                                                          | 31-53271         | 31-41 TASK 923        |
|                   |                                                          | 31-53272         | 31-41 TASK 923        |
|                   |                                                          | 31-53281         | 31-41 TASK 863        |
|                   |                                                          | 31-53282         | 31-41 TASK 864        |
|                   |                                                          | 31-53291         | 31-41 TASK 865        |
|                   |                                                          | 31-53292         | 31-41 TASK 866        |
|                   |                                                          | 31-53301         | 31-41 TASK 923        |
|                   |                                                          | 31-53302         | 31-41 TASK 923        |
|                   |                                                          | 31-53311         | 31-41 TASK 923        |
|                   |                                                          | 31-53312         | 31-41 TASK 951        |
|                   |                                                          | 31-53321         | 31-41 TASK 959        |
|                   |                                                          | 31-53322         | 31-41 TASK 960        |
|                   |                                                          | 31-53331         | 31-41 TASK 961        |
|                   |                                                          | 31-53332         | 31-41 TASK 962        |
|                   |                                                          | 31-53341         | 31-41 TASK 923        |
|                   |                                                          | 31-53342         | 31-41 TASK 923        |
|                   |                                                          | 31-53351         | 31-41 TASK 952        |
|                   |                                                          | 31-53352         | 31-41 TASK 910        |
|                   |                                                          | 31-53401         | 31-41 TASK 832        |
|                   |                                                          | 31-53402         | 31-41 TASK 833        |
|                   |                                                          | 31-53701         | 31-41 TASK 832        |
|                   |                                                          | 31-53702         | 31-41 TASK 833        |
|                   |                                                          | 31-53711         | 31-41 TASK 832        |
|                   |                                                          | 31-53712         | 31-41 TASK 833        |
|                   |                                                          | 31-53721         | 31-41 TASK 832        |
|                   |                                                          | 31-53722         | 31-41 TASK 833        |
|                   |                                                          | 31-53732         | 31-41 TASK 833        |
|                   |                                                          | 31-54013         | 31-43 TASK 868        |
|                   |                                                          | 31-54014         | 31-43 TASK 869        |
|                   |                                                          | 31-54015         | 31-44 TASK 847        |
|                   |                                                          | 31-54016         | 31-44 TASK 848        |
|                   |                                                          | 31-54101         | 31-41 TASK 834        |

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|------------|----------------------------------------------------------|-------------|----------------|
| 314 482 42 | Maintenance memo shows on the MAT: DCGF-2 IN RIGHT AIMS. | (continued) |                |
|            |                                                          | 31-54102    | 31-41 TASK 835 |
|            |                                                          | 31-54107    | 31-44 TASK 853 |
|            |                                                          | 31-54108    | 31-44 TASK 854 |
|            |                                                          | 31-54117    | 31-44 TASK 855 |
|            |                                                          | 31-54118    | 31-44 TASK 856 |
|            |                                                          | 31-54121    | 31-41 TASK 838 |
|            |                                                          | 31-54122    | 31-41 TASK 839 |
|            |                                                          | 31-54127    | 31-44 TASK 859 |
|            |                                                          | 31-54128    | 31-44 TASK 860 |
|            |                                                          | 31-54211    | 31-41 TASK 916 |
|            |                                                          | 31-54331    | 31-41 TASK 916 |
|            |                                                          | 31-54402    | 31-41 TASK 917 |
|            |                                                          | 31-54601    | 31-41 TASK 840 |
|            |                                                          | 31-54602    | 31-41 TASK 841 |
|            |                                                          | 31-55201    | 31-41 TASK 923 |
|            |                                                          | 31-55202    | 31-41 TASK 923 |
|            |                                                          | 31-55211    | 31-41 TASK 867 |
|            |                                                          | 31-55212    | 31-41 TASK 923 |
|            |                                                          | 31-55221    | 31-41 TASK 923 |
|            |                                                          | 31-55222    | 31-41 TASK 923 |
|            |                                                          | 31-55231    | 31-41 TASK 923 |
|            |                                                          | 31-55232    | 31-41 TASK 923 |
|            |                                                          | 31-55241    | 31-41 TASK 828 |
|            |                                                          | 31-55242    | 31-41 TASK 829 |
|            |                                                          | 31-55251    | 31-41 TASK 830 |
|            |                                                          | 31-55252    | 31-41 TASK 831 |
|            |                                                          | 31-55261    | 31-41 TASK 923 |
|            |                                                          | 31-55262    | 31-41 TASK 923 |
|            |                                                          | 31-55271    | 31-41 TASK 923 |
|            |                                                          | 31-55272    | 31-41 TASK 923 |
|            |                                                          | 31-55281    | 31-41 TASK 868 |
|            |                                                          | 31-55282    | 31-41 TASK 869 |
|            |                                                          | 31-55291    | 31-41 TASK 870 |
|            |                                                          | 31-55292    | 31-41 TASK 871 |

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|-------------------|----------------------------------------------------------|------------------|-----------------------|
| 314 482 42        | Maintenance memo shows on the MAT: DCGF-2 IN RIGHT AIMS. | (continued)      |                       |
|                   |                                                          | 31-55301         | 31-41 TASK 923        |
|                   |                                                          | 31-55302         | 31-41 TASK 923        |
|                   |                                                          | 31-55311         | 31-41 TASK 923        |
|                   |                                                          | 31-55312         | 31-41 TASK 923        |
|                   |                                                          | 31-55321         | 31-41 TASK 963        |
|                   |                                                          | 31-55322         | 31-41 TASK 964        |
|                   |                                                          | 31-55331         | 31-41 TASK 965        |
|                   |                                                          | 31-55332         | 31-41 TASK 966        |
|                   |                                                          | 31-55341         | 31-41 TASK 923        |
|                   |                                                          | 31-55342         | 31-41 TASK 923        |
|                   |                                                          | 31-55351         | 31-41 TASK 911        |
|                   |                                                          | 31-55352         | 31-41 TASK 976        |
|                   |                                                          | 31-55401         | 31-41 TASK 840        |
|                   |                                                          | 31-55402         | 31-41 TASK 841        |
|                   |                                                          | 31-55701         | 31-41 TASK 840        |
|                   |                                                          | 31-55721         | 31-41 TASK 840        |
|                   |                                                          | 31-55732         | 31-41 TASK 841        |
|                   |                                                          | 31-56013         | 31-43 TASK 870        |
|                   |                                                          | 31-56014         | 31-43 TASK 871        |
|                   |                                                          | 31-56015         | 31-44 TASK 849        |
|                   |                                                          | 31-56016         | 31-44 TASK 850        |
|                   |                                                          | 31-56102         | 31-41 TASK 845        |
|                   |                                                          | 31-56104         | 31-45 TASK 811        |
|                   |                                                          | 31-56107         | 31-44 TASK 853        |
|                   |                                                          | 31-56108         | 31-44 TASK 854        |
|                   |                                                          | 31-56111         | 31-41 TASK 846        |
|                   |                                                          | 31-56113         | 31-41 TASK 991        |
|                   |                                                          | 31-56117         | 31-44 TASK 861        |
|                   |                                                          | 31-56118         | 31-44 TASK 862        |
|                   |                                                          | 31-56121         | 31-41 TASK 848        |
|                   |                                                          | 31-56122         | 31-41 TASK 849        |
|                   |                                                          | 31-56127         | 31-44 TASK 857        |
|                   |                                                          | 31-56128         | 31-44 TASK 858        |
|                   |                                                          | 31-56401         | 31-41 TASK 919        |

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|-------------------|----------------------------------------------------------|------------------|-----------------------|
| 314 482 42        | Maintenance memo shows on the MAT: DCGF-2 IN RIGHT AIMS. | (continued)      |                       |
|                   |                                                          | 31-56402         | 31-41 TASK 920        |
|                   |                                                          | 31-56501         | 31-43 TASK 854        |
|                   |                                                          | 31-56601         | 31-41 TASK 842        |
|                   |                                                          | 31-56602         | 31-41 TASK 843        |
|                   |                                                          | 31-57201         | 31-41 TASK 872        |
|                   |                                                          | 31-57202         | 31-41 TASK 873        |
|                   |                                                          | 31-57211         | 31-41 TASK 923        |
|                   |                                                          | 31-57212         | 31-41 TASK 923        |
|                   |                                                          | 31-57221         | 31-41 TASK 874        |
|                   |                                                          | 31-57222         | 31-41 TASK 923        |
|                   |                                                          | 31-57231         | 31-41 TASK 912        |
|                   |                                                          | 31-57232         | 31-41 TASK 913        |
|                   |                                                          | 31-57241         | 31-41 TASK 923        |
|                   |                                                          | 31-57242         | 31-41 TASK 923        |
|                   |                                                          | 31-57251         | 31-41 TASK 850        |
|                   |                                                          | 31-57252         | 31-41 TASK 851        |
|                   |                                                          | 31-57261         | 31-41 TASK 875        |
|                   |                                                          | 31-57262         | 31-41 TASK 923        |
|                   |                                                          | 31-57271         | 31-41 TASK 928        |
|                   |                                                          | 31-57272         | 31-41 TASK 929        |
|                   |                                                          | 31-57281         | 31-41 TASK 923        |
|                   |                                                          | 31-57282         | 31-41 TASK 923        |
|                   |                                                          | 31-57291         | 31-41 TASK 924        |
|                   |                                                          | 31-57292         | 31-41 TASK 925        |
|                   |                                                          | 31-57301         | 31-41 TASK 923        |
|                   |                                                          | 31-57302         | 31-41 TASK 923        |
|                   |                                                          | 31-57311         | 31-41 TASK 876        |
|                   |                                                          | 31-57312         | 31-41 TASK 923        |
|                   |                                                          | 31-57321         | 31-41 TASK 926        |
|                   |                                                          | 31-57322         | 31-41 TASK 927        |
|                   |                                                          | 31-57331         | 31-41 TASK 877        |
|                   |                                                          | 31-57332         | 31-41 TASK 878        |
|                   |                                                          | 31-57341         | 31-41 TASK 923        |
|                   |                                                          | 31-57342         | 31-41 TASK 923        |

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|------------|----------------------------------------------------------|-------------|----------------|
| 314 482 42 | Maintenance memo shows on the MAT: DCGF-2 IN RIGHT AIMS. | (continued) |                |
|            |                                                          | 31-57351    | 31-41 TASK 879 |
|            |                                                          | 31-57352    | 31-41 TASK 930 |
|            |                                                          | 31-57401    | 31-41 TASK 842 |
|            |                                                          | 31-57402    | 31-41 TASK 843 |
|            |                                                          | 31-57701    | 31-41 TASK 842 |
|            |                                                          | 31-57711    | 31-41 TASK 842 |
|            |                                                          | 31-57731    | 31-41 TASK 842 |
|            |                                                          | 31-57732    | 31-41 TASK 843 |
|            |                                                          | 31-58013    | 31-43 TASK 872 |
|            |                                                          | 31-58014    | 31-43 TASK 873 |
|            |                                                          | 31-58015    | 31-44 TASK 851 |
|            |                                                          | 31-58016    | 31-44 TASK 852 |
|            |                                                          | 31-58101    | 31-41 TASK 852 |
|            |                                                          | 31-58102    | 31-41 TASK 853 |
|            |                                                          | 31-58107    | 31-44 TASK 853 |
|            |                                                          | 31-58108    | 31-44 TASK 854 |
|            |                                                          | 31-58117    | 31-44 TASK 861 |
|            |                                                          | 31-58118    | 31-44 TASK 862 |
|            |                                                          | 31-58121    | 31-41 TASK 856 |
|            |                                                          | 31-58122    | 31-41 TASK 857 |
|            |                                                          | 31-58127    | 31-44 TASK 859 |
|            |                                                          | 31-58128    | 31-44 TASK 860 |
|            |                                                          | 31-58322    | 31-41 TASK 922 |
|            |                                                          | 31-58401    | 31-41 TASK 921 |
|            |                                                          | 31-58402    | 31-41 TASK 922 |
|            |                                                          | 31-58601    | 31-41 TASK 992 |
|            |                                                          | 31-58602    | 31-41 TASK 993 |
|            |                                                          | 31-59201    | 31-41 TASK 880 |
|            |                                                          | 31-59202    | 31-41 TASK 881 |
|            |                                                          | 31-59211    | 31-41 TASK 923 |
|            |                                                          | 31-59212    | 31-41 TASK 923 |
|            |                                                          | 31-59221    | 31-41 TASK 923 |
|            |                                                          | 31-59222    | 31-41 TASK 923 |
|            |                                                          | 31-59231    | 31-41 TASK 931 |

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|------------|----------------------------------------------------------|-------------|----------------|
| 314 482 42 | Maintenance memo shows on the MAT: DCGF-2 IN RIGHT AIMS. | (continued) |                |
|            |                                                          | 31-59232    | 31-41 TASK 923 |
|            |                                                          | 31-59241    | 31-41 TASK 923 |
|            |                                                          | 31-59242    | 31-41 TASK 923 |
|            |                                                          | 31-59251    | 31-41 TASK 860 |
|            |                                                          | 31-59252    | 31-41 TASK 861 |
|            |                                                          | 31-59261    | 31-41 TASK 923 |
|            |                                                          | 31-59262    | 31-41 TASK 923 |
|            |                                                          | 31-59271    | 31-41 TASK 932 |
|            |                                                          | 31-59272    | 31-41 TASK 973 |
|            |                                                          | 31-59281    | 31-41 TASK 923 |
|            |                                                          | 31-59282    | 31-41 TASK 923 |
|            |                                                          | 31-59291    | 31-41 TASK 949 |
|            |                                                          | 31-59292    | 31-41 TASK 950 |
|            |                                                          | 31-59301    | 31-41 TASK 923 |
|            |                                                          | 31-59302    | 31-41 TASK 923 |
|            |                                                          | 31-59311    | 31-41 TASK 974 |
|            |                                                          | 31-59312    | 31-41 TASK 923 |
|            |                                                          | 31-59321    | 31-41 TASK 953 |
|            |                                                          | 31-59322    | 31-41 TASK 954 |
|            |                                                          | 31-59331    | 31-41 TASK 882 |
|            |                                                          | 31-59332    | 31-41 TASK 883 |
|            |                                                          | 31-59341    | 31-41 TASK 923 |
|            |                                                          | 31-59342    | 31-41 TASK 923 |
|            |                                                          | 31-59351    | 31-41 TASK 955 |
|            |                                                          | 31-59352    | 31-41 TASK 956 |
|            |                                                          | 31-59401    | 31-41 TASK 992 |
|            |                                                          | 31-59402    | 31-41 TASK 993 |
|            |                                                          | 31-59712    | 31-41 TASK 859 |
|            |                                                          | 31-59731    | 31-41 TASK 858 |
|            |                                                          | 31-59732    | 31-41 TASK 859 |
|            |                                                          | 31-61111    | 31-43 TASK 856 |
|            |                                                          | 31-61112    | 31-43 TASK 856 |
|            |                                                          | 31-61113    | 31-43 TASK 856 |
|            |                                                          | 31-61114    | 31-43 TASK 856 |

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| 314 482 42 | Maintenance memo shows on the MAT: DCGF-2 IN RIGHT AIMS.                                            | (continued) |                |
|            |                                                                                                     | 31-61115    | 31-43 TASK 856 |
|            |                                                                                                     | 31-61116    | 31-43 TASK 856 |
|            |                                                                                                     | 31-61117    | 31-43 TASK 856 |
|            |                                                                                                     | 31-61118    | 31-43 TASK 856 |
|            |                                                                                                     | 31-62032    | 31-43 TASK 847 |
|            |                                                                                                     | 31-62042    | 31-43 TASK 849 |
|            |                                                                                                     | 31-62211    | 31-43 TASK 864 |
|            |                                                                                                     | 31-62212    | 31-43 TASK 874 |
|            |                                                                                                     | 31-62213    | 31-43 TASK 864 |
|            |                                                                                                     | 31-62214    | 31-43 TASK 874 |
|            |                                                                                                     | 31-62215    | 31-43 TASK 874 |
|            |                                                                                                     | 31-62216    | 31-43 TASK 864 |
|            |                                                                                                     | 31-62217    | 31-43 TASK 874 |
|            |                                                                                                     | 31-62218    | 31-43 TASK 864 |
|            |                                                                                                     | 31-68801    | 31-43 TASK 892 |
|            |                                                                                                     | 31-68802    | 31-43 TASK 893 |
| 315 001 00 | CONFIG SPOILERS (EICAS WARNING)                                                                     |             | 31-51 TASK 949 |
| 315 002 00 | CONFIG STABILIZER (EICAS WARNING)                                                                   |             | 31-51 TASK 950 |
| 315 003 00 | CONFIG GEAR (EICAS WARNING)                                                                         | 32-71280    | 32-07 TASK 809 |
|            |                                                                                                     | 32-71282    | 32-07 TASK 810 |
| 315 004 00 | CONFIG FLAPS (EICAS WARNING)                                                                        |             | 31-51 TASK 951 |
| 315 005 00 | CONFIG RUDDER (EICAS WARNING)                                                                       |             | 31-51 TASK 952 |
| 315 007 00 | CONFIG DOORS (EICAS WARNING)                                                                        |             | 31-51 TASK 953 |
| 315 011 00 | CONFIG PARKING BRAKE (EICAS WARNING)                                                                |             | 31-51 TASK 954 |
| 315 012 00 | CONFIG GEAR STEERING (EICAS WARNING)<br>Before you do any task listed here, see FIM 31-51 TASK 991. | 31-78130    | 31-51 TASK 892 |
|            |                                                                                                     | 31-78131    | 31-51 TASK 912 |
|            |                                                                                                     | 31-78132    | 31-51 TASK 912 |
|            |                                                                                                     | 31-78133    | 31-51 TASK 913 |
|            |                                                                                                     | 31-78134    | 31-51 TASK 913 |
|            |                                                                                                     | 31-78135    | 31-51 TASK 914 |
|            |                                                                                                     | 31-78136    | 31-51 TASK 914 |

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| 315 012 00 | CONFIG GEAR STEERING<br>(EICAS WARNING)<br><br>Before you do any task listed here, see FIM<br>31-51 TASK 991. | (continued) |                |
|            |                                                                                                               | 32-61010    | 32-53 TASK 802 |
|            |                                                                                                               | 32-61020    | 32-53 TASK 807 |
|            |                                                                                                               | 32-61030    | 32-53 TASK 808 |
| 315 013 00 | NOSE GEAR PRESS XDCR (EICAS STATUS)                                                                           | 31-78020    | 31-51 TASK 990 |
| 315 021 00 | SPEEDBRAKE EXTENDED<br>(EICAS CAUTION)                                                                        |             | 31-51 TASK 955 |
| 315 024 00 | SPEEDBRAKE (EICAS WARNING)                                                                                    |             | 27-62 TASK 808 |
| 315 031 00 | STAB GREENBAND (EICAS ADVISORY)                                                                               | 31-78050    | 31-51 TASK 902 |
|            |                                                                                                               | 31-78051    | 31-51 TASK 903 |
|            |                                                                                                               | 31-78052    | 31-51 TASK 903 |
|            |                                                                                                               | 31-78053    | 31-51 TASK 904 |
|            |                                                                                                               | 31-78054    | 31-51 TASK 904 |
|            |                                                                                                               | 31-78055    | 31-51 TASK 905 |
|            |                                                                                                               | 31-78056    | 31-51 TASK 905 |
|            |                                                                                                               | NONE        | 31-51 TASK 989 |
| 315 041 00 | OVERSPEED (EICAS WARNING)                                                                                     | 31-71012    | 05-51 TASK 809 |
| 315 042 00 | OVERSPEED SYS (EICAS STATUS)                                                                                  | 21-16205    | 21-25 TASK 823 |
|            |                                                                                                               | 22-18804    | 22-18 TASK 801 |
|            |                                                                                                               | 22-18894    | 22-18 TASK 804 |
|            |                                                                                                               | 22-18895    | 22-18 TASK 805 |
|            |                                                                                                               | 23-81001    | 23-91 TASK 801 |
|            |                                                                                                               | 23-81002    | 23-91 TASK 802 |
|            |                                                                                                               | 23-81003    | 23-91 TASK 803 |
|            |                                                                                                               | 23-81004    | 23-91 TASK 804 |
|            |                                                                                                               | 23-81005    | 23-91 TASK 805 |
|            |                                                                                                               | 23-81006    | 23-91 TASK 806 |
|            |                                                                                                               | 23-81007    | 23-91 TASK 807 |
|            |                                                                                                               | 24-11780    | 24-53 TASK 805 |
|            |                                                                                                               | 24-11781    | 24-51 TASK 837 |
|            |                                                                                                               | 24-11784    | 24-51 TASK 836 |
|            |                                                                                                               | 24-11786    | 24-51 TASK 833 |
|            |                                                                                                               | 24-11787    | 24-32 TASK 817 |
|            |                                                                                                               | 24-11790    | 24-08 TASK 833 |

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|-------------------|------------------------------|------------------|-----------------------|
| 315 042 00        | OVERSPEED SYS (EICAS STATUS) | (continued)      |                       |
|                   |                              | 24-11793         | 24-08 TASK 834        |
|                   |                              | 24-11795         | 24-08 TASK 804        |
|                   |                              | 24-11796         | 24-08 TASK 804        |
|                   |                              | 24-12051         | 24-32 TASK 819        |
|                   |                              | 24-12056         | 24-32 TASK 820        |
|                   |                              | 24-12057         | 24-08 TASK 836        |
|                   |                              | 24-12122         | 24-08 TASK 835        |
|                   |                              | 24-12124         | 24-51 TASK 840        |
|                   |                              | 24-12125         | 24-51 TASK 841        |
|                   |                              | 24-12126         | 24-51 TASK 841        |
|                   |                              | 24-12127         | 24-51 TASK 842        |
|                   |                              | 24-12800         | 24-08 TASK 805        |
|                   |                              | 24-12801         | 24-08 TASK 805        |
|                   |                              | 24-13801         | 24-61 TASK 805        |
|                   |                              | 24-13814         | 24-33 TASK 817        |
|                   |                              | 24-13815         | 24-61 TASK 806        |
|                   |                              | 24-13817         | 24-33 TASK 818        |
|                   |                              | 24-18801         | 24-09 TASK 806        |
|                   |                              | 24-18802         | 24-09 TASK 807        |
|                   |                              | 24-78841         | 24-08 TASK 860        |
|                   |                              | 24-78842         | 24-08 TASK 862        |
|                   |                              | 24-78861         | 24-08 TASK 861        |
|                   |                              | 24-78862         | 24-08 TASK 863        |
|                   |                              | 27-10802         | 27-21 TASK 805        |
|                   |                              | 27-11000         | 27-41 TASK 807        |
|                   |                              | 27-11001         | 27-41 TASK 810        |
|                   |                              | 27-11002         | 27-41 TASK 811        |
|                   |                              | 27-11003         | 27-41 TASK 820        |
|                   |                              | 27-11004         | 27-41 TASK 837        |
|                   |                              | 27-11005         | 27-41 TASK 838        |
|                   |                              | 27-11006         | 27-41 TASK 808        |
|                   |                              | 27-11416         | 27-21 TASK 840        |
|                   |                              | 27-12300         | 27-61 TASK 816        |
|                   |                              | 27-12301         | 27-61 TASK 835        |
|                   |                              | 27-12302         | 27-61 TASK 836        |

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| 315 042 00        | OVERSPEED SYS (EICAS STATUS) | (continued)      |                       |
|                   |                              | 27-12303         | 27-61 TASK 837        |
|                   |                              | 27-12304         | 27-61 TASK 817        |
|                   |                              | 27-12305         | 27-61 TASK 838        |
|                   |                              | 27-12306         | 27-61 TASK 839        |
|                   |                              | 27-12307         | 27-61 TASK 840        |
|                   |                              | 27-12308         | 27-61 TASK 818        |
|                   |                              | 27-13000         | 27-02 TASK 880        |
|                   |                              | 27-13001         | 27-02 TASK 881        |
|                   |                              | 27-13002         | 27-02 TASK 808        |
|                   |                              | 27-13003         | 27-02 TASK 809        |
|                   |                              | 27-13008         | 27-02 TASK 807        |
|                   |                              | 27-13009         | 27-02 TASK 877        |
|                   |                              | 27-13010         | 27-02 TASK 878        |
|                   |                              | 27-13011         | 27-02 TASK 879        |
|                   |                              | 27-13020         | 27-02 TASK 818        |
|                   |                              | 27-13022         | 27-02 TASK 829        |
|                   |                              | 27-13023         | 27-02 TASK 830        |
|                   |                              | 27-13024         | 27-02 TASK 831        |
|                   |                              | 27-13027         | 27-02 TASK 833        |
|                   |                              | 27-13028         | 27-02 TASK 834        |
|                   |                              | 27-13029         | 27-02 TASK 820        |
|                   |                              | 27-13030         | 27-02 TASK 835        |
|                   |                              | 27-13031         | 27-02 TASK 836        |
|                   |                              | 27-13046         | 27-02 TASK 805        |
|                   |                              | 27-13048         | 27-02 TASK 863        |
|                   |                              | 27-13049         | 27-02 TASK 864        |
|                   |                              | 27-14018         | 27-02 TASK 813        |
|                   |                              | 27-14019         | 27-02 TASK 941        |
|                   |                              | 27-14020         | 27-02 TASK 942        |
|                   |                              | 27-14025         | 27-02 TASK 943        |
|                   |                              | 27-14026         | 27-02 TASK 944        |
|                   |                              | 27-14027         | 27-02 TASK 945        |
|                   |                              | 27-14030         | 27-02 TASK 905        |
|                   |                              | 27-14031         | 27-02 TASK 906        |
|                   |                              | 27-14032         | 27-02 TASK 907        |

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|-------------------|------------------------------|------------------|-----------------------|
| 315 042 00        | OVERSPEED SYS (EICAS STATUS) | (continued)      |                       |
|                   |                              | 27-14033         | 27-02 TASK 908        |
|                   |                              | 27-15009         | 27-02 TASK 802        |
|                   |                              | 27-15010         | 27-02 TASK 849        |
|                   |                              | 27-15011         | 27-02 TASK 850        |
|                   |                              | 27-15012         | 27-02 TASK 851        |
|                   |                              | 27-15100         | 27-02 TASK 946        |
|                   |                              | 27-15101         | 27-02 TASK 947        |
|                   |                              | 27-15102         | 27-02 TASK 948        |
|                   |                              | 27-18811         | 27-02 TASK 901        |
|                   |                              | 27-18822         | 27-02 TASK 919        |
|                   |                              | 27-18833         | 27-02 TASK 920        |
|                   |                              | 27-19101         | 27-02 TASK 974        |
|                   |                              | 27-19201         | 27-02 TASK 979        |
|                   |                              | 27-19301         | 27-02 TASK 983        |
|                   |                              | 30-36121         | 30-31 TASK 801        |
|                   |                              | 30-36122         | 30-31 TASK 802        |
|                   |                              | 30-36123         | 30-31 TASK 803        |
|                   |                              | 30-36421         | 30-31 TASK 804        |
|                   |                              | 30-36423         | 30-31 TASK 805        |
|                   |                              | 30-36521         | 30-31 TASK 806        |
|                   |                              | 30-36523         | 30-31 TASK 810        |
|                   |                              | 30-36641         | 30-31 TASK 807        |
|                   |                              | 30-36642         | 30-31 TASK 808        |
|                   |                              | 30-36643         | 30-31 TASK 809        |
|                   |                              | 31-50007         | 31-44 TASK 821        |
|                   |                              | 31-50008         | 31-44 TASK 822        |
|                   |                              | 31-50011         | 31-44 TASK 801        |
|                   |                              | 31-50012         | 31-44 TASK 802        |
|                   |                              | 31-50017         | 31-44 TASK 823        |
|                   |                              | 31-50018         | 31-44 TASK 824        |
|                   |                              | 31-50027         | 31-44 TASK 825        |
|                   |                              | 31-50028         | 31-44 TASK 826        |
|                   |                              | 31-50091         | 31-44 TASK 819        |
|                   |                              | 31-50092         | 31-44 TASK 820        |
|                   |                              | 31-50201         | 31-43 TASK 852        |

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|-------------------|------------------------------|------------------|-----------------------|
| 315 042 00        | OVERSPEED SYS (EICAS STATUS) | (continued)      |                       |
|                   |                              | 31-50202         | 31-43 TASK 853        |
|                   |                              | 31-50417         | 31-44 TASK 884        |
|                   |                              | 31-50418         | 31-44 TASK 885        |
|                   |                              | 31-50427         | 31-44 TASK 886        |
|                   |                              | 31-50428         | 31-44 TASK 887        |
|                   |                              | 31-50437         | 31-44 TASK 888        |
|                   |                              | 31-50438         | 31-44 TASK 889        |
|                   |                              | 31-50447         | 31-44 TASK 890        |
|                   |                              | 31-50448         | 31-44 TASK 891        |
|                   |                              | 31-51023         | 31-44 TASK 865        |
|                   |                              | 31-51024         | 31-44 TASK 866        |
|                   |                              | 31-51025         | 31-43 TASK 803        |
|                   |                              | 31-51026         | 31-43 TASK 804        |
|                   |                              | 31-51033         | 31-44 TASK 869        |
|                   |                              | 31-51034         | 31-44 TASK 870        |
|                   |                              | 31-51043         | 31-44 TASK 871        |
|                   |                              | 31-51044         | 31-44 TASK 872        |
|                   |                              | 31-51411         | 34-61 TASK 913        |
|                   |                              | 31-51412         | 34-61 TASK 914        |
|                   |                              | 31-51413         | 34-61 TASK 815        |
|                   |                              | 31-51414         | 34-61 TASK 889        |
|                   |                              | 31-51421         | 34-61 TASK 888        |
|                   |                              | 31-51422         | 34-61 TASK 814        |
|                   |                              | 31-51423         | 34-61 TASK 815        |
|                   |                              | 31-51424         | 34-61 TASK 889        |
|                   |                              | 31-51531         | 31-44 TASK 837        |
|                   |                              | 31-51532         | 31-44 TASK 838        |
|                   |                              | 31-51533         | 31-44 TASK 839        |
|                   |                              | 31-51534         | 31-44 TASK 840        |
|                   |                              | 31-51731         | 31-44 TASK 841        |
|                   |                              | 31-51732         | 31-44 TASK 842        |
|                   |                              | 31-51733         | 31-44 TASK 843        |
|                   |                              | 31-51734         | 31-44 TASK 844        |
|                   |                              | 31-52013         | 31-43 TASK 866        |
|                   |                              | 31-52014         | 31-43 TASK 867        |

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|-------------------|------------------------------|------------------|-----------------------|
| 315 042 00        | OVERSPEED SYS (EICAS STATUS) | (continued)      |                       |
|                   |                              | 31-52101         | 31-41 TASK 817        |
|                   |                              | 31-52112         | 31-41 TASK 820        |
|                   |                              | 31-52121         | 31-41 TASK 821        |
|                   |                              | 31-52122         | 31-41 TASK 822        |
|                   |                              | 31-52601         | 31-41 TASK 832        |
|                   |                              | 31-52602         | 31-41 TASK 833        |
|                   |                              | 31-54013         | 31-43 TASK 868        |
|                   |                              | 31-54014         | 31-43 TASK 869        |
|                   |                              | 31-54101         | 31-41 TASK 834        |
|                   |                              | 31-54102         | 31-41 TASK 835        |
|                   |                              | 31-54121         | 31-41 TASK 838        |
|                   |                              | 31-54122         | 31-41 TASK 839        |
|                   |                              | 31-54601         | 31-41 TASK 840        |
|                   |                              | 31-54602         | 31-41 TASK 841        |
|                   |                              | 31-55401         | 31-41 TASK 840        |
|                   |                              | 31-55402         | 31-41 TASK 841        |
|                   |                              | 31-56013         | 31-43 TASK 870        |
|                   |                              | 31-56014         | 31-43 TASK 871        |
|                   |                              | 31-56102         | 31-41 TASK 845        |
|                   |                              | 31-56104         | 31-45 TASK 811        |
|                   |                              | 31-56111         | 31-41 TASK 846        |
|                   |                              | 31-56121         | 31-41 TASK 848        |
|                   |                              | 31-56122         | 31-41 TASK 849        |
|                   |                              | 31-56601         | 31-41 TASK 842        |
|                   |                              | 31-56602         | 31-41 TASK 843        |
|                   |                              | 31-58013         | 31-43 TASK 872        |
|                   |                              | 31-58014         | 31-43 TASK 873        |
|                   |                              | 31-58101         | 31-41 TASK 852        |
|                   |                              | 31-58102         | 31-41 TASK 853        |
|                   |                              | 31-58121         | 31-41 TASK 856        |
|                   |                              | 31-58122         | 31-41 TASK 857        |
|                   |                              | 31-58601         | 31-41 TASK 992        |
|                   |                              | 31-58602         | 31-41 TASK 993        |
|                   |                              | 31-59401         | 31-41 TASK 992        |
|                   |                              | 31-59402         | 31-41 TASK 993        |

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|-------------------|------------------------------|------------------|-----------------------|
| 315 042 00        | OVERSPEED SYS (EICAS STATUS) | (continued)      |                       |
|                   |                              | 31-61011         | 31-43 TASK 861        |
|                   |                              | 31-61012         | 31-43 TASK 862        |
|                   |                              | 31-61020         | 31-43 TASK 863        |
|                   |                              | 31-61031         | 31-41 TASK 862        |
|                   |                              | 31-61032         | 31-41 TASK 891        |
|                   |                              | 31-61041         | 31-43 TASK 835        |
|                   |                              | 31-61042         | 31-43 TASK 836        |
|                   |                              | 31-61051         | 31-43 TASK 837        |
|                   |                              | 31-61052         | 31-43 TASK 838        |
|                   |                              | 31-61061         | 31-43 TASK 839        |
|                   |                              | 31-61062         | 31-43 TASK 840        |
|                   |                              | 31-61071         | 31-43 TASK 841        |
|                   |                              | 31-61072         | 31-43 TASK 842        |
|                   |                              | 31-61111         | 31-43 TASK 856        |
|                   |                              | 31-61112         | 31-43 TASK 856        |
|                   |                              | 31-61113         | 31-43 TASK 856        |
|                   |                              | 31-61114         | 31-43 TASK 856        |
|                   |                              | 31-61115         | 31-43 TASK 856        |
|                   |                              | 31-61116         | 31-43 TASK 856        |
|                   |                              | 31-61117         | 31-43 TASK 856        |
|                   |                              | 31-61118         | 31-43 TASK 856        |
|                   |                              | 31-62031         | 31-43 TASK 846        |
|                   |                              | 31-62032         | 31-43 TASK 847        |
|                   |                              | 31-62041         | 31-43 TASK 848        |
|                   |                              | 31-62042         | 31-43 TASK 849        |
|                   |                              | 31-68801         | 31-43 TASK 892        |
|                   |                              | 31-68802         | 31-43 TASK 893        |
|                   |                              | 31-68811         | 31-42 TASK 908        |
|                   |                              | 31-68832         | 31-42 TASK 908        |
|                   |                              | 31-69101         | 31-42 TASK 801        |
|                   |                              | 31-69102         | 31-42 TASK 801        |
|                   |                              | 31-69107         | 31-42 TASK 804        |
|                   |                              | 31-69108         | 31-42 TASK 804        |
|                   |                              | 31-69117         | 31-42 TASK 806        |
|                   |                              | 31-69118         | 31-42 TASK 806        |

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|-------------------|------------------------------|------------------|-----------------------|
| 315 042 00        | OVERSPEED SYS (EICAS STATUS) | (continued)      |                       |
|                   |                              | 31-69201         | 31-42 TASK 809        |
|                   |                              | 31-69202         | 31-42 TASK 809        |
|                   |                              | 31-69209         | 31-42 TASK 812        |
|                   |                              | 31-69210         | 31-42 TASK 812        |
|                   |                              | 31-69219         | 31-42 TASK 814        |
|                   |                              | 31-69220         | 31-42 TASK 814        |
|                   |                              | 31-69301         | 31-42 TASK 817        |
|                   |                              | 31-69302         | 31-42 TASK 817        |
|                   |                              | 31-69311         | 31-42 TASK 820        |
|                   |                              | 31-69312         | 31-42 TASK 820        |
|                   |                              | 31-69317         | 31-42 TASK 822        |
|                   |                              | 31-69318         | 31-42 TASK 822        |
|                   |                              | 31-69401         | 31-42 TASK 825        |
|                   |                              | 31-69402         | 31-42 TASK 825        |
|                   |                              | 31-69439         | 31-42 TASK 840        |
|                   |                              | 31-69440         | 31-42 TASK 840        |
|                   |                              | 31-69496         | 31-42 TASK 915        |
|                   |                              | 31-69497         | 31-42 TASK 915        |
|                   |                              | 31-69501         | 31-42 TASK 852        |
|                   |                              | 31-69502         | 31-42 TASK 852        |
|                   |                              | 31-69539         | 31-42 TASK 855        |
|                   |                              | 31-69540         | 31-42 TASK 855        |
|                   |                              | 31-69541         | 31-42 TASK 855        |
|                   |                              | 31-69542         | 31-42 TASK 855        |
|                   |                              | 31-69601         | 31-42 TASK 857        |
|                   |                              | 31-69602         | 31-42 TASK 857        |
|                   |                              | 31-69641         | 31-42 TASK 870        |
|                   |                              | 31-69642         | 31-42 TASK 870        |
|                   |                              | 31-69903         | 31-42 TASK 881        |
|                   |                              | 31-69904         | 31-42 TASK 881        |
|                   |                              | 31-69905         | 31-42 TASK 881        |
|                   |                              | 31-69906         | 31-42 TASK 881        |
|                   |                              | 31-69965         | 31-42 TASK 897        |
|                   |                              | 31-69966         | 31-42 TASK 897        |
|                   |                              | 31-69973         | 31-42 TASK 899        |

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|-------------------|------------------------------|------------------|-----------------------|
| 315 042 00        | OVERSPEED SYS (EICAS STATUS) | (continued)      |                       |
|                   |                              | 31-69974         | 31-42 TASK 899        |
|                   |                              | 31-69975         | 31-42 TASK 899        |
|                   |                              | 31-69976         | 31-42 TASK 899        |
|                   |                              | 31-69977         | 31-42 TASK 899        |
|                   |                              | 31-69978         | 31-42 TASK 899        |
|                   |                              | 31-70011         | 31-51 TASK 801        |
|                   |                              | 31-70012         | 31-51 TASK 821        |
|                   |                              | 31-78801         | 31-51 TASK 801        |
|                   |                              | 31-78802         | 31-51 TASK 821        |
|                   |                              | 31-78841         | 31-51 TASK 825        |
|                   |                              | 31-78851         | 31-51 TASK 826        |
|                   |                              | 31-78852         | 31-51 TASK 898        |
|                   |                              | 31-78862         | 31-51 TASK 827        |
|                   |                              | 31-79401         | 31-51 TASK 804        |
|                   |                              | 31-79402         | 31-51 TASK 805        |
|                   |                              | 31-79501         | 31-51 TASK 836        |
|                   |                              | 31-79502         | 31-51 TASK 837        |
|                   |                              | 31-79503         | 31-51 TASK 838        |
|                   |                              | 31-79504         | 31-51 TASK 839        |
|                   |                              | 31-79603         | 31-51 TASK 860        |
|                   |                              | 31-79604         | 31-51 TASK 861        |
|                   |                              | 31-89417         | 31-42 TASK 915        |
|                   |                              | 31-89418         | 31-42 TASK 915        |
|                   |                              | 31-89617         | 31-42 TASK 916        |
|                   |                              | 31-89618         | 31-42 TASK 916        |
|                   |                              | 31-89619         | 31-42 TASK 916        |
|                   |                              | 31-89620         | 31-42 TASK 916        |
|                   |                              | 34-25101         | 34-11 TASK 801        |
|                   |                              | 34-25102         | 34-11 TASK 802        |
|                   |                              | 34-25103         | 34-11 TASK 803        |
|                   |                              | 34-25201         | 34-11 TASK 804        |
|                   |                              | 34-25202         | 34-11 TASK 805        |
|                   |                              | 34-25203         | 34-11 TASK 806        |
|                   |                              | 34-25601         | 34-21 TASK 808        |
|                   |                              | 34-25603         | 34-21 TASK 885        |

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|-------------------|------------------------------|------------------|-----------------------|
| 315 042 00        | OVERSPEED SYS (EICAS STATUS) | (continued)      |                       |
|                   |                              | 34-26101         | 34-21 TASK 810        |
|                   |                              | 34-26102         | 34-21 TASK 839        |
|                   |                              | 34-26103         | 34-21 TASK 840        |
|                   |                              | 34-26201         | 34-21 TASK 843        |
|                   |                              | 34-26202         | 34-21 TASK 844        |
|                   |                              | 34-26203         | 34-21 TASK 845        |
|                   |                              | 34-28801         | 34-21 TASK 848        |
|                   |                              | 34-28810         | 34-21 TASK 849        |
|                   |                              | 34-28813         | 34-21 TASK 813        |
|                   |                              | 34-28816         | 34-21 TASK 814        |
|                   |                              | 34-28824         | 34-21 TASK 850        |
|                   |                              | 34-28827         | 34-21 TASK 851        |
|                   |                              | 34-28830         | 34-21 TASK 852        |
|                   |                              | 34-28835         | 34-21 TASK 853        |
|                   |                              | 34-28838         | 34-21 TASK 854        |
|                   |                              | 34-29101         | 34-21 TASK 893        |
|                   |                              | 34-29102         | 34-21 TASK 815        |
|                   |                              | 34-29105         | 34-21 TASK 816        |
|                   |                              | 34-29107         | 34-21 TASK 817        |
|                   |                              | 34-29115         | 34-21 TASK 857        |
|                   |                              | 34-29120         | 34-21 TASK 894        |
|                   |                              | 34-29201         | 34-21 TASK 858        |
|                   |                              | 34-29202         | 34-21 TASK 859        |
|                   |                              | 34-29204         | 34-21 TASK 860        |
|                   |                              | 34-29216         | 34-21 TASK 862        |
|                   |                              | 34-29301         | 34-21 TASK 895        |
|                   |                              | 34-29303         | 34-21 TASK 864        |
|                   |                              | 34-29306         | 34-21 TASK 865        |
|                   |                              | 34-29308         | 34-21 TASK 866        |
|                   |                              | 34-29317         | 34-21 TASK 869        |
|                   |                              | 34-29320         | 34-21 TASK 896        |
|                   |                              | 34-30700         | 34-21 TASK 870        |
|                   |                              | 34-30711         | 34-21 TASK 818        |
|                   |                              | 34-30712         | 34-21 TASK 871        |
|                   |                              | 34-30713         | 34-21 TASK 872        |

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| 315 042 00        | OVERSPEED SYS (EICAS STATUS) | (continued)      |                       |
|                   |                              | 34-30760         | 34-21 TASK 819        |
|                   |                              | 34-31601         | 34-21 TASK 821        |
|                   |                              | 34-32601         | 34-21 TASK 822        |
|                   |                              | 34-34603         | 34-21 TASK 887        |
|                   |                              | 34-35603         | 34-21 TASK 888        |
|                   |                              | 34-38310         | 34-21 TASK 819        |
|                   |                              | 34-38801         | 34-21 TASK 874        |
|                   |                              | 34-38820         | 34-21 TASK 898        |
|                   |                              | 34-39101         | 34-21 TASK 825        |
|                   |                              | 34-39103         | 34-21 TASK 826        |
|                   |                              | 34-39106         | 34-21 TASK 827        |
|                   |                              | 34-39111         | 34-21 TASK 828        |
|                   |                              | 34-39201         | 34-21 TASK 871        |
|                   |                              | 34-39204         | 34-21 TASK 876        |
|                   |                              | 34-39207         | 34-21 TASK 877        |
|                   |                              | 34-39301         | 34-21 TASK 879        |
|                   |                              | 34-39305         | 34-21 TASK 880        |
|                   |                              | 34-39308         | 34-21 TASK 881        |
|                   |                              | 34-39312         | 34-21 TASK 882        |
|                   |                              | 34-42011         | 34-33 TASK 801        |
|                   |                              | 34-42012         | 34-33 TASK 801        |
|                   |                              | 34-42013         | 34-33 TASK 801        |
|                   |                              | 34-42021         | 34-33 TASK 802        |
|                   |                              | 34-42022         | 34-33 TASK 812        |
|                   |                              | 34-42023         | 34-33 TASK 813        |
|                   |                              | 34-42031         | 34-33 TASK 814        |
|                   |                              | 34-42032         | 34-33 TASK 815        |
|                   |                              | 34-42033         | 34-33 TASK 816        |
|                   |                              | 34-42801         | 34-33 TASK 801        |
|                   |                              | 34-42802         | 34-33 TASK 801        |
|                   |                              | 34-42803         | 34-33 TASK 801        |
|                   |                              | 34-42891         | 34-33 TASK 803        |
|                   |                              | 34-42892         | 34-33 TASK 804        |
|                   |                              | 34-42893         | 34-33 TASK 805        |
|                   |                              | 34-46891         | 34-46 TASK 803        |

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| FAULT CODE | FAULT DESCRIPTION                                                                                                                            | MAINT MSG                                                                                                                                                                                                                                                                        | GO TO FIM TASK                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 315 042 00 | OVERSPEED SYS (EICAS STATUS)                                                                                                                 | (continued)<br>34-71011<br>34-71012<br>34-71060                                                                                                                                                                                                                                  | 34-61 TASK 905<br>34-61 TASK 906<br>34-90 TASK 801                                                                                                                                                                                                                                                                                                                                                                         |
| 315 043 00 | OVERSPEED VMO/MMO (EICAS STATUS)<br>Before you do any task listed here, see FIM 34-21 TASK 904.<br><b>NOTE:</b> AIMS CAN LATCH THIS MESSAGE. | 31-71012                                                                                                                                                                                                                                                                         | 05-51 TASK 809                                                                                                                                                                                                                                                                                                                                                                                                             |
| 315 044 00 | OVERSPEED VFE (EICAS STATUS)<br>Before you do any task listed here, see FIM 34-21 TASK 903.<br><b>NOTE:</b> AIMS CAN LATCH THIS MESSAGE.     | 31-71011                                                                                                                                                                                                                                                                         | 05-51 TASK 810                                                                                                                                                                                                                                                                                                                                                                                                             |
| 315 051 41 | STALL WARNING SYS L (EICAS STATUS)                                                                                                           | 21-16205<br>22-18804<br>22-18894<br>22-18895<br>23-81001<br>23-81002<br>23-81003<br>23-81004<br>23-81005<br>23-81006<br>23-81007<br>24-11780<br>24-11781<br>24-11784<br>24-11786<br>24-11787<br>24-11790<br>24-11793<br>24-11795<br>24-11796<br>24-12051<br>24-12056<br>24-12057 | 21-25 TASK 823<br>22-18 TASK 801<br>22-18 TASK 804<br>22-18 TASK 805<br>23-91 TASK 801<br>23-91 TASK 802<br>23-91 TASK 803<br>23-91 TASK 804<br>23-91 TASK 805<br>23-91 TASK 806<br>23-91 TASK 807<br>24-53 TASK 805<br>24-51 TASK 837<br>24-51 TASK 836<br>24-51 TASK 833<br>24-32 TASK 817<br>24-08 TASK 833<br>24-08 TASK 834<br>24-08 TASK 804<br>24-08 TASK 804<br>24-32 TASK 819<br>24-32 TASK 820<br>24-08 TASK 836 |

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|-------------------|------------------------------------|------------------|-----------------------|
| 315 051 41        | STALL WARNING SYS L (EICAS STATUS) | (continued)      |                       |
|                   |                                    | 24-12122         | 24-08 TASK 835        |
|                   |                                    | 24-12124         | 24-51 TASK 840        |
|                   |                                    | 24-12125         | 24-51 TASK 841        |
|                   |                                    | 24-12126         | 24-51 TASK 841        |
|                   |                                    | 24-12127         | 24-51 TASK 842        |
|                   |                                    | 24-12800         | 24-08 TASK 805        |
|                   |                                    | 24-12801         | 24-08 TASK 805        |
|                   |                                    | 24-13801         | 24-61 TASK 805        |
|                   |                                    | 24-13814         | 24-33 TASK 817        |
|                   |                                    | 24-13815         | 24-61 TASK 806        |
|                   |                                    | 24-13816         | 24-32 TASK 831        |
|                   |                                    | 24-13817         | 24-33 TASK 818        |
|                   |                                    | 24-13818         | 24-53 TASK 807        |
|                   |                                    | 24-18801         | 24-09 TASK 806        |
|                   |                                    | 24-18802         | 24-09 TASK 807        |
|                   |                                    | 24-78841         | 24-08 TASK 860        |
|                   |                                    | 24-78842         | 24-08 TASK 862        |
|                   |                                    | 24-78861         | 24-08 TASK 861        |
|                   |                                    | 24-78862         | 24-08 TASK 863        |
|                   |                                    | 27-10802         | 27-21 TASK 805        |
|                   |                                    | 27-11000         | 27-41 TASK 807        |
|                   |                                    | 27-11001         | 27-41 TASK 810        |
|                   |                                    | 27-11002         | 27-41 TASK 811        |
|                   |                                    | 27-11003         | 27-41 TASK 820        |
|                   |                                    | 27-11004         | 27-41 TASK 837        |
|                   |                                    | 27-11005         | 27-41 TASK 838        |
|                   |                                    | 27-11006         | 27-41 TASK 808        |
|                   |                                    | 27-11416         | 27-21 TASK 840        |
|                   |                                    | 27-12300         | 27-61 TASK 816        |
|                   |                                    | 27-12301         | 27-61 TASK 835        |
|                   |                                    | 27-12302         | 27-61 TASK 836        |
|                   |                                    | 27-12303         | 27-61 TASK 837        |
|                   |                                    | 27-12304         | 27-61 TASK 817        |
|                   |                                    | 27-12305         | 27-61 TASK 838        |
|                   |                                    | 27-12306         | 27-61 TASK 839        |

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|-------------------|------------------------------------|------------------|-----------------------|
| 315 051 41        | STALL WARNING SYS L (EICAS STATUS) | (continued)      |                       |
|                   |                                    | 27-12307         | 27-61 TASK 840        |
|                   |                                    | 27-12308         | 27-61 TASK 818        |
|                   |                                    | 27-13000         | 27-02 TASK 880        |
|                   |                                    | 27-13001         | 27-02 TASK 881        |
|                   |                                    | 27-13002         | 27-02 TASK 808        |
|                   |                                    | 27-13003         | 27-02 TASK 809        |
|                   |                                    | 27-13008         | 27-02 TASK 807        |
|                   |                                    | 27-13009         | 27-02 TASK 877        |
|                   |                                    | 27-13010         | 27-02 TASK 878        |
|                   |                                    | 27-13011         | 27-02 TASK 879        |
|                   |                                    | 27-13020         | 27-02 TASK 818        |
|                   |                                    | 27-13022         | 27-02 TASK 829        |
|                   |                                    | 27-13023         | 27-02 TASK 830        |
|                   |                                    | 27-13024         | 27-02 TASK 831        |
|                   |                                    | 27-13027         | 27-02 TASK 833        |
|                   |                                    | 27-13028         | 27-02 TASK 834        |
|                   |                                    | 27-13029         | 27-02 TASK 820        |
|                   |                                    | 27-13030         | 27-02 TASK 835        |
|                   |                                    | 27-13031         | 27-02 TASK 836        |
|                   |                                    | 27-13046         | 27-02 TASK 805        |
|                   |                                    | 27-13048         | 27-02 TASK 863        |
|                   |                                    | 27-13049         | 27-02 TASK 864        |
|                   |                                    | 27-14018         | 27-02 TASK 813        |
|                   |                                    | 27-14019         | 27-02 TASK 941        |
|                   |                                    | 27-14020         | 27-02 TASK 942        |
|                   |                                    | 27-14025         | 27-02 TASK 943        |
|                   |                                    | 27-14026         | 27-02 TASK 944        |
|                   |                                    | 27-14027         | 27-02 TASK 945        |
|                   |                                    | 27-14030         | 27-02 TASK 905        |
|                   |                                    | 27-14031         | 27-02 TASK 906        |
|                   |                                    | 27-14032         | 27-02 TASK 907        |
|                   |                                    | 27-14033         | 27-02 TASK 908        |
|                   |                                    | 27-15009         | 27-02 TASK 802        |
|                   |                                    | 27-15010         | 27-02 TASK 849        |
|                   |                                    | 27-15011         | 27-02 TASK 850        |

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|-------------------|------------------------------------|------------------|-----------------------|
| 315 051 41        | STALL WARNING SYS L (EICAS STATUS) | (continued)      |                       |
|                   |                                    | 27-15012         | 27-02 TASK 851        |
|                   |                                    | 27-15100         | 27-02 TASK 946        |
|                   |                                    | 27-15101         | 27-02 TASK 947        |
|                   |                                    | 27-15102         | 27-02 TASK 948        |
|                   |                                    | 27-18811         | 27-02 TASK 901        |
|                   |                                    | 27-18822         | 27-02 TASK 919        |
|                   |                                    | 27-18833         | 27-02 TASK 920        |
|                   |                                    | 27-19101         | 27-02 TASK 974        |
|                   |                                    | 27-19201         | 27-02 TASK 979        |
|                   |                                    | 27-19301         | 27-02 TASK 983        |
|                   |                                    | 27-20251         | 27-51 TASK 863        |
|                   |                                    | 27-20261         | 27-51 TASK 809        |
|                   |                                    | 27-20271         | 27-51 TASK 810        |
|                   |                                    | 27-20691         | 27-51 TASK 811        |
|                   |                                    | 27-20701         | 27-51 TASK 812        |
|                   |                                    | 27-20711         | 27-51 TASK 813        |
|                   |                                    | 27-20891         | 27-51 TASK 823        |
|                   |                                    | 27-21161         | 27-81 TASK 814        |
|                   |                                    | 27-21171         | 27-81 TASK 815        |
|                   |                                    | 27-21181         | 27-81 TASK 816        |
|                   |                                    | 27-21241         | 27-51 TASK 838        |
|                   |                                    | 27-28801         | 27-51 TASK 841        |
|                   |                                    | 27-28802         | 27-52 TASK 835        |
|                   |                                    | 27-28841         | 27-51 TASK 842        |
|                   |                                    | 27-28851         | 27-51 TASK 869        |
|                   |                                    | 27-28852         | 27-52 TASK 837        |
|                   |                                    | 30-10041         | 30-81 TASK 801        |
|                   |                                    | 30-10052         | 30-81 TASK 803        |
|                   |                                    | 30-10141         | 30-81 TASK 802        |
|                   |                                    | 30-10152         | 30-81 TASK 804        |
|                   |                                    | 30-36121         | 30-31 TASK 801        |
|                   |                                    | 30-36122         | 30-31 TASK 802        |
|                   |                                    | 30-36123         | 30-31 TASK 803        |
|                   |                                    | 30-36421         | 30-31 TASK 804        |
|                   |                                    | 30-36423         | 30-31 TASK 805        |

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|-------------------|------------------------------------|------------------|-----------------------|
| 315 051 41        | STALL WARNING SYS L (EICAS STATUS) | (continued)      |                       |
|                   |                                    | 30-36521         | 30-31 TASK 806        |
|                   |                                    | 30-36523         | 30-31 TASK 810        |
|                   |                                    | 30-36641         | 30-31 TASK 807        |
|                   |                                    | 30-36642         | 30-31 TASK 808        |
|                   |                                    | 30-36643         | 30-31 TASK 809        |
|                   |                                    | 31-50007         | 31-44 TASK 821        |
|                   |                                    | 31-50008         | 31-44 TASK 822        |
|                   |                                    | 31-50011         | 31-44 TASK 801        |
|                   |                                    | 31-50012         | 31-44 TASK 802        |
|                   |                                    | 31-50017         | 31-44 TASK 823        |
|                   |                                    | 31-50018         | 31-44 TASK 824        |
|                   |                                    | 31-50027         | 31-44 TASK 825        |
|                   |                                    | 31-50028         | 31-44 TASK 826        |
|                   |                                    | 31-50091         | 31-44 TASK 819        |
|                   |                                    | 31-50092         | 31-44 TASK 820        |
|                   |                                    | 31-50201         | 31-43 TASK 852        |
|                   |                                    | 31-50202         | 31-43 TASK 853        |
|                   |                                    | 31-50417         | 31-44 TASK 884        |
|                   |                                    | 31-50418         | 31-44 TASK 885        |
|                   |                                    | 31-50427         | 31-44 TASK 886        |
|                   |                                    | 31-50428         | 31-44 TASK 887        |
|                   |                                    | 31-50437         | 31-44 TASK 888        |
|                   |                                    | 31-50438         | 31-44 TASK 889        |
|                   |                                    | 31-50447         | 31-44 TASK 890        |
|                   |                                    | 31-50448         | 31-44 TASK 891        |
|                   |                                    | 31-51023         | 31-44 TASK 865        |
|                   |                                    | 31-51024         | 31-44 TASK 866        |
|                   |                                    | 31-51025         | 31-43 TASK 803        |
|                   |                                    | 31-51026         | 31-43 TASK 804        |
|                   |                                    | 31-51033         | 31-44 TASK 869        |
|                   |                                    | 31-51034         | 31-44 TASK 870        |
|                   |                                    | 31-51043         | 31-44 TASK 871        |
|                   |                                    | 31-51044         | 31-44 TASK 872        |
|                   |                                    | 31-51411         | 34-61 TASK 913        |
|                   |                                    | 31-51412         | 34-61 TASK 914        |

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|-------------------|------------------------------------|------------------|-----------------------|
| 315 051 41        | STALL WARNING SYS L (EICAS STATUS) | (continued)      |                       |
|                   |                                    | 31-51413         | 34-61 TASK 815        |
|                   |                                    | 31-51414         | 34-61 TASK 889        |
|                   |                                    | 31-51421         | 34-61 TASK 888        |
|                   |                                    | 31-51422         | 34-61 TASK 814        |
|                   |                                    | 31-51423         | 34-61 TASK 815        |
|                   |                                    | 31-51424         | 34-61 TASK 889        |
|                   |                                    | 31-51531         | 31-44 TASK 837        |
|                   |                                    | 31-51532         | 31-44 TASK 838        |
|                   |                                    | 31-51533         | 31-44 TASK 839        |
|                   |                                    | 31-51534         | 31-44 TASK 840        |
|                   |                                    | 31-51731         | 31-44 TASK 841        |
|                   |                                    | 31-51732         | 31-44 TASK 842        |
|                   |                                    | 31-51733         | 31-44 TASK 843        |
|                   |                                    | 31-51734         | 31-44 TASK 844        |
|                   |                                    | 31-52013         | 31-43 TASK 866        |
|                   |                                    | 31-52014         | 31-43 TASK 867        |
|                   |                                    | 31-52101         | 31-41 TASK 817        |
|                   |                                    | 31-52112         | 31-41 TASK 820        |
|                   |                                    | 31-52121         | 31-41 TASK 821        |
|                   |                                    | 31-52122         | 31-41 TASK 822        |
|                   |                                    | 31-52601         | 31-41 TASK 832        |
|                   |                                    | 31-52602         | 31-41 TASK 833        |
|                   |                                    | 31-54013         | 31-43 TASK 868        |
|                   |                                    | 31-54014         | 31-43 TASK 869        |
|                   |                                    | 31-54101         | 31-41 TASK 834        |
|                   |                                    | 31-54102         | 31-41 TASK 835        |
|                   |                                    | 31-54121         | 31-41 TASK 838        |
|                   |                                    | 31-54122         | 31-41 TASK 839        |
|                   |                                    | 31-54601         | 31-41 TASK 840        |
|                   |                                    | 31-54602         | 31-41 TASK 841        |
|                   |                                    | 31-55401         | 31-41 TASK 840        |
|                   |                                    | 31-55402         | 31-41 TASK 841        |
|                   |                                    | 31-56013         | 31-43 TASK 870        |
|                   |                                    | 31-56014         | 31-43 TASK 871        |
|                   |                                    | 31-56102         | 31-41 TASK 845        |

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|-------------------|------------------------------------|------------------|-----------------------|
| 315 051 41        | STALL WARNING SYS L (EICAS STATUS) | (continued)      |                       |
|                   |                                    | 31-56104         | 31-45 TASK 811        |
|                   |                                    | 31-56111         | 31-41 TASK 846        |
|                   |                                    | 31-56121         | 31-41 TASK 848        |
|                   |                                    | 31-56122         | 31-41 TASK 849        |
|                   |                                    | 31-56601         | 31-41 TASK 842        |
|                   |                                    | 31-56602         | 31-41 TASK 843        |
|                   |                                    | 31-58013         | 31-43 TASK 872        |
|                   |                                    | 31-58014         | 31-43 TASK 873        |
|                   |                                    | 31-58101         | 31-41 TASK 852        |
|                   |                                    | 31-58102         | 31-41 TASK 853        |
|                   |                                    | 31-58121         | 31-41 TASK 856        |
|                   |                                    | 31-58122         | 31-41 TASK 857        |
|                   |                                    | 31-58601         | 31-41 TASK 992        |
|                   |                                    | 31-58602         | 31-41 TASK 993        |
|                   |                                    | 31-59401         | 31-41 TASK 992        |
|                   |                                    | 31-59402         | 31-41 TASK 993        |
|                   |                                    | 31-61011         | 31-43 TASK 861        |
|                   |                                    | 31-61012         | 31-43 TASK 862        |
|                   |                                    | 31-61020         | 31-43 TASK 863        |
|                   |                                    | 31-61031         | 31-41 TASK 862        |
|                   |                                    | 31-61032         | 31-41 TASK 891        |
|                   |                                    | 31-61041         | 31-43 TASK 835        |
|                   |                                    | 31-61042         | 31-43 TASK 836        |
|                   |                                    | 31-61051         | 31-43 TASK 837        |
|                   |                                    | 31-61052         | 31-43 TASK 838        |
|                   |                                    | 31-61061         | 31-43 TASK 839        |
|                   |                                    | 31-61062         | 31-43 TASK 840        |
|                   |                                    | 31-61071         | 31-43 TASK 841        |
|                   |                                    | 31-61072         | 31-43 TASK 842        |
|                   |                                    | 31-61111         | 31-43 TASK 856        |
|                   |                                    | 31-61112         | 31-43 TASK 856        |
|                   |                                    | 31-61113         | 31-43 TASK 856        |
|                   |                                    | 31-61114         | 31-43 TASK 856        |
|                   |                                    | 31-61115         | 31-43 TASK 856        |
|                   |                                    | 31-61116         | 31-43 TASK 856        |

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|-------------------|------------------------------------|------------------|-----------------------|
| 315 051 41        | STALL WARNING SYS L (EICAS STATUS) | (continued)      |                       |
|                   |                                    | 31-61117         | 31-43 TASK 856        |
|                   |                                    | 31-61118         | 31-43 TASK 856        |
|                   |                                    | 31-62031         | 31-43 TASK 846        |
|                   |                                    | 31-62032         | 31-43 TASK 847        |
|                   |                                    | 31-62041         | 31-43 TASK 848        |
|                   |                                    | 31-62042         | 31-43 TASK 849        |
|                   |                                    | 31-68801         | 31-43 TASK 892        |
|                   |                                    | 31-68802         | 31-43 TASK 893        |
|                   |                                    | 31-68811         | 31-42 TASK 908        |
|                   |                                    | 31-68832         | 31-42 TASK 908        |
|                   |                                    | 31-69101         | 31-42 TASK 801        |
|                   |                                    | 31-69102         | 31-42 TASK 801        |
|                   |                                    | 31-69107         | 31-42 TASK 804        |
|                   |                                    | 31-69108         | 31-42 TASK 804        |
|                   |                                    | 31-69117         | 31-42 TASK 806        |
|                   |                                    | 31-69118         | 31-42 TASK 806        |
|                   |                                    | 31-69201         | 31-42 TASK 809        |
|                   |                                    | 31-69202         | 31-42 TASK 809        |
|                   |                                    | 31-69209         | 31-42 TASK 812        |
|                   |                                    | 31-69210         | 31-42 TASK 812        |
|                   |                                    | 31-69219         | 31-42 TASK 814        |
|                   |                                    | 31-69220         | 31-42 TASK 814        |
|                   |                                    | 31-69301         | 31-42 TASK 817        |
|                   |                                    | 31-69302         | 31-42 TASK 817        |
|                   |                                    | 31-69317         | 31-42 TASK 822        |
|                   |                                    | 31-69318         | 31-42 TASK 822        |
|                   |                                    | 31-69401         | 31-42 TASK 825        |
|                   |                                    | 31-69402         | 31-42 TASK 825        |
|                   |                                    | 31-69439         | 31-42 TASK 840        |
|                   |                                    | 31-69440         | 31-42 TASK 840        |
|                   |                                    | 31-69496         | 31-42 TASK 915        |
|                   |                                    | 31-69497         | 31-42 TASK 915        |
|                   |                                    | 31-69501         | 31-42 TASK 852        |
|                   |                                    | 31-69502         | 31-42 TASK 852        |
|                   |                                    | 31-69539         | 31-42 TASK 855        |

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|-------------------|------------------------------------|------------------|-----------------------|
| 315 051 41        | STALL WARNING SYS L (EICAS STATUS) | (continued)      |                       |
|                   |                                    | 31-69540         | 31-42 TASK 855        |
|                   |                                    | 31-69601         | 31-42 TASK 857        |
|                   |                                    | 31-69602         | 31-42 TASK 857        |
|                   |                                    | 31-69903         | 31-42 TASK 881        |
|                   |                                    | 31-69904         | 31-42 TASK 881        |
|                   |                                    | 31-69905         | 31-42 TASK 881        |
|                   |                                    | 31-69906         | 31-42 TASK 881        |
|                   |                                    | 31-69965         | 31-42 TASK 897        |
|                   |                                    | 31-69966         | 31-42 TASK 897        |
|                   |                                    | 31-69973         | 31-42 TASK 899        |
|                   |                                    | 31-69974         | 31-42 TASK 899        |
|                   |                                    | 31-69975         | 31-42 TASK 899        |
|                   |                                    | 31-69976         | 31-42 TASK 899        |
|                   |                                    | 31-69977         | 31-42 TASK 899        |
|                   |                                    | 31-69978         | 31-42 TASK 899        |
|                   |                                    | 31-70011         | 31-51 TASK 801        |
|                   |                                    | 31-72011         | 31-51 TASK 971        |
|                   |                                    | 31-72021         | 31-51 TASK 972        |
|                   |                                    | 31-72061         | 31-51 TASK 975        |
|                   |                                    | 31-72091         | 31-51 TASK 977        |
|                   |                                    | 31-72131         | 31-51 TASK 980        |
|                   |                                    | 31-78801         | 31-51 TASK 801        |
|                   |                                    | 31-78841         | 31-51 TASK 825        |
|                   |                                    | 31-78851         | 31-51 TASK 826        |
|                   |                                    | 31-79401         | 31-51 TASK 804        |
|                   |                                    | 31-79402         | 31-51 TASK 805        |
|                   |                                    | 31-79437         | 31-51 TASK 815        |
|                   |                                    | 31-79439         | 31-51 TASK 816        |
|                   |                                    | 31-79501         | 31-51 TASK 836        |
|                   |                                    | 31-79503         | 31-51 TASK 838        |
|                   |                                    | 31-79537         | 31-51 TASK 852        |
|                   |                                    | 31-79539         | 31-51 TASK 854        |
|                   |                                    | 31-79541         | 31-51 TASK 856        |
|                   |                                    | 31-79543         | 31-51 TASK 858        |
|                   |                                    | 31-89417         | 31-42 TASK 915        |

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|-------------------|------------------------------------|------------------|-----------------------|
| 315 051 41        | STALL WARNING SYS L (EICAS STATUS) | (continued)      |                       |
|                   |                                    | 31-89418         | 31-42 TASK 915        |
|                   |                                    | 31-89617         | 31-42 TASK 916        |
|                   |                                    | 31-89618         | 31-42 TASK 916        |
|                   |                                    | 31-89619         | 31-42 TASK 916        |
|                   |                                    | 31-89620         | 31-42 TASK 916        |
|                   |                                    | 34-25101         | 34-11 TASK 801        |
|                   |                                    | 34-25102         | 34-11 TASK 802        |
|                   |                                    | 34-25103         | 34-11 TASK 803        |
|                   |                                    | 34-25201         | 34-11 TASK 804        |
|                   |                                    | 34-25202         | 34-11 TASK 805        |
|                   |                                    | 34-25203         | 34-11 TASK 806        |
|                   |                                    | 34-25601         | 34-21 TASK 808        |
|                   |                                    | 34-25603         | 34-21 TASK 885        |
|                   |                                    | 34-26101         | 34-21 TASK 810        |
|                   |                                    | 34-26102         | 34-21 TASK 839        |
|                   |                                    | 34-26103         | 34-21 TASK 840        |
|                   |                                    | 34-26201         | 34-21 TASK 843        |
|                   |                                    | 34-26202         | 34-21 TASK 844        |
|                   |                                    | 34-26203         | 34-21 TASK 845        |
|                   |                                    | 34-28801         | 34-21 TASK 848        |
|                   |                                    | 34-28810         | 34-21 TASK 849        |
|                   |                                    | 34-28813         | 34-21 TASK 813        |
|                   |                                    | 34-28816         | 34-21 TASK 814        |
|                   |                                    | 34-28824         | 34-21 TASK 850        |
|                   |                                    | 34-28827         | 34-21 TASK 851        |
|                   |                                    | 34-28830         | 34-21 TASK 852        |
|                   |                                    | 34-28835         | 34-21 TASK 853        |
|                   |                                    | 34-28838         | 34-21 TASK 854        |
|                   |                                    | 34-29101         | 34-21 TASK 893        |
|                   |                                    | 34-29102         | 34-21 TASK 815        |
|                   |                                    | 34-29105         | 34-21 TASK 816        |
|                   |                                    | 34-29107         | 34-21 TASK 817        |
|                   |                                    | 34-29115         | 34-21 TASK 857        |
|                   |                                    | 34-29120         | 34-21 TASK 894        |
|                   |                                    | 34-29201         | 34-21 TASK 858        |

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|-------------------|------------------------------------|------------------|-----------------------|
| 315 051 41        | STALL WARNING SYS L (EICAS STATUS) | (continued)      |                       |
|                   |                                    | 34-29202         | 34-21 TASK 859        |
|                   |                                    | 34-29204         | 34-21 TASK 860        |
|                   |                                    | 34-29216         | 34-21 TASK 862        |
|                   |                                    | 34-29301         | 34-21 TASK 895        |
|                   |                                    | 34-29303         | 34-21 TASK 864        |
|                   |                                    | 34-29306         | 34-21 TASK 865        |
|                   |                                    | 34-29308         | 34-21 TASK 866        |
|                   |                                    | 34-29317         | 34-21 TASK 869        |
|                   |                                    | 34-29320         | 34-21 TASK 896        |
|                   |                                    | 34-30700         | 34-21 TASK 870        |
|                   |                                    | 34-30711         | 34-21 TASK 818        |
|                   |                                    | 34-30712         | 34-21 TASK 871        |
|                   |                                    | 34-30713         | 34-21 TASK 872        |
|                   |                                    | 34-30760         | 34-21 TASK 819        |
|                   |                                    | 34-31601         | 34-21 TASK 821        |
|                   |                                    | 34-32601         | 34-21 TASK 822        |
|                   |                                    | 34-34603         | 34-21 TASK 887        |
|                   |                                    | 34-35603         | 34-21 TASK 888        |
|                   |                                    | 34-38310         | 34-21 TASK 819        |
|                   |                                    | 34-38801         | 34-21 TASK 874        |
|                   |                                    | 34-38820         | 34-21 TASK 898        |
|                   |                                    | 34-39101         | 34-21 TASK 825        |
|                   |                                    | 34-39103         | 34-21 TASK 826        |
|                   |                                    | 34-39106         | 34-21 TASK 827        |
|                   |                                    | 34-39111         | 34-21 TASK 828        |
|                   |                                    | 34-39201         | 34-21 TASK 871        |
|                   |                                    | 34-39204         | 34-21 TASK 876        |
|                   |                                    | 34-39207         | 34-21 TASK 877        |
|                   |                                    | 34-39301         | 34-21 TASK 879        |
|                   |                                    | 34-39305         | 34-21 TASK 880        |
|                   |                                    | 34-39308         | 34-21 TASK 881        |
|                   |                                    | 34-39312         | 34-21 TASK 882        |
|                   |                                    | 34-42011         | 34-33 TASK 801        |
|                   |                                    | 34-42012         | 34-33 TASK 801        |
|                   |                                    | 34-42013         | 34-33 TASK 801        |

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|-------------------|------------------------------------|------------------|-----------------------|
| 315 051 41        | STALL WARNING SYS L (EICAS STATUS) | (continued)      |                       |
|                   |                                    | 34-42021         | 34-33 TASK 802        |
|                   |                                    | 34-42022         | 34-33 TASK 812        |
|                   |                                    | 34-42023         | 34-33 TASK 813        |
|                   |                                    | 34-42031         | 34-33 TASK 814        |
|                   |                                    | 34-42032         | 34-33 TASK 815        |
|                   |                                    | 34-42033         | 34-33 TASK 816        |
|                   |                                    | 34-42801         | 34-33 TASK 801        |
|                   |                                    | 34-42802         | 34-33 TASK 801        |
|                   |                                    | 34-42803         | 34-33 TASK 801        |
|                   |                                    | 34-42891         | 34-33 TASK 803        |
|                   |                                    | 34-42892         | 34-33 TASK 804        |
|                   |                                    | 34-42893         | 34-33 TASK 805        |
|                   |                                    | 34-46891         | 34-46 TASK 803        |
|                   |                                    | 34-71011         | 34-61 TASK 905        |
|                   |                                    | 34-71012         | 34-61 TASK 906        |
|                   |                                    | 34-71060         | 34-90 TASK 801        |
| 315 051 42        | STALL WARNING SYS R (EICAS STATUS) | 21-16205         | 21-25 TASK 823        |
|                   |                                    | 22-18804         | 22-18 TASK 801        |
|                   |                                    | 22-18894         | 22-18 TASK 804        |
|                   |                                    | 22-18895         | 22-18 TASK 805        |
|                   |                                    | 23-81001         | 23-91 TASK 801        |
|                   |                                    | 23-81002         | 23-91 TASK 802        |
|                   |                                    | 23-81003         | 23-91 TASK 803        |
|                   |                                    | 23-81004         | 23-91 TASK 804        |
|                   |                                    | 23-81005         | 23-91 TASK 805        |
|                   |                                    | 23-81006         | 23-91 TASK 806        |
|                   |                                    | 23-81007         | 23-91 TASK 807        |
|                   |                                    | 24-11780         | 24-53 TASK 805        |
|                   |                                    | 24-11781         | 24-51 TASK 837        |
|                   |                                    | 24-11784         | 24-51 TASK 836        |
|                   |                                    | 24-11786         | 24-51 TASK 833        |
|                   |                                    | 24-11787         | 24-32 TASK 817        |
|                   |                                    | 24-11790         | 24-08 TASK 833        |
|                   |                                    | 24-11793         | 24-08 TASK 834        |
|                   |                                    | 24-11795         | 24-08 TASK 804        |

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|-------------------|------------------------------------|------------------|-----------------------|
| 315 051 42        | STALL WARNING SYS R (EICAS STATUS) | (continued)      |                       |
|                   |                                    | 24-11796         | 24-08 TASK 804        |
|                   |                                    | 24-12051         | 24-32 TASK 819        |
|                   |                                    | 24-12056         | 24-32 TASK 820        |
|                   |                                    | 24-12057         | 24-08 TASK 836        |
|                   |                                    | 24-12122         | 24-08 TASK 835        |
|                   |                                    | 24-12124         | 24-51 TASK 840        |
|                   |                                    | 24-12125         | 24-51 TASK 841        |
|                   |                                    | 24-12126         | 24-51 TASK 841        |
|                   |                                    | 24-12127         | 24-51 TASK 842        |
|                   |                                    | 24-12800         | 24-08 TASK 805        |
|                   |                                    | 24-12801         | 24-08 TASK 805        |
|                   |                                    | 24-13801         | 24-61 TASK 805        |
|                   |                                    | 24-13815         | 24-61 TASK 806        |
|                   |                                    | 24-13816         | 24-32 TASK 831        |
|                   |                                    | 24-13817         | 24-33 TASK 818        |
|                   |                                    | 24-18801         | 24-09 TASK 806        |
|                   |                                    | 24-18802         | 24-09 TASK 807        |
|                   |                                    | 24-78841         | 24-08 TASK 860        |
|                   |                                    | 24-78842         | 24-08 TASK 862        |
|                   |                                    | 24-78861         | 24-08 TASK 861        |
|                   |                                    | 24-78862         | 24-08 TASK 863        |
|                   |                                    | 27-10802         | 27-21 TASK 805        |
|                   |                                    | 27-11000         | 27-41 TASK 807        |
|                   |                                    | 27-11001         | 27-41 TASK 810        |
|                   |                                    | 27-11002         | 27-41 TASK 811        |
|                   |                                    | 27-11003         | 27-41 TASK 820        |
|                   |                                    | 27-11004         | 27-41 TASK 837        |
|                   |                                    | 27-11005         | 27-41 TASK 838        |
|                   |                                    | 27-11006         | 27-41 TASK 808        |
|                   |                                    | 27-11416         | 27-21 TASK 840        |
|                   |                                    | 27-12300         | 27-61 TASK 816        |
|                   |                                    | 27-12301         | 27-61 TASK 835        |
|                   |                                    | 27-12302         | 27-61 TASK 836        |
|                   |                                    | 27-12303         | 27-61 TASK 837        |
|                   |                                    | 27-12304         | 27-61 TASK 817        |

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|-------------------|------------------------------------|------------------|-----------------------|
| 315 051 42        | STALL WARNING SYS R (EICAS STATUS) | (continued)      |                       |
|                   |                                    | 27-12305         | 27-61 TASK 838        |
|                   |                                    | 27-12306         | 27-61 TASK 839        |
|                   |                                    | 27-12307         | 27-61 TASK 840        |
|                   |                                    | 27-12308         | 27-61 TASK 818        |
|                   |                                    | 27-13000         | 27-02 TASK 880        |
|                   |                                    | 27-13001         | 27-02 TASK 881        |
|                   |                                    | 27-13002         | 27-02 TASK 808        |
|                   |                                    | 27-13003         | 27-02 TASK 809        |
|                   |                                    | 27-13008         | 27-02 TASK 807        |
|                   |                                    | 27-13009         | 27-02 TASK 877        |
|                   |                                    | 27-13010         | 27-02 TASK 878        |
|                   |                                    | 27-13011         | 27-02 TASK 879        |
|                   |                                    | 27-13020         | 27-02 TASK 818        |
|                   |                                    | 27-13022         | 27-02 TASK 829        |
|                   |                                    | 27-13023         | 27-02 TASK 830        |
|                   |                                    | 27-13024         | 27-02 TASK 831        |
|                   |                                    | 27-13027         | 27-02 TASK 833        |
|                   |                                    | 27-13028         | 27-02 TASK 834        |
|                   |                                    | 27-13029         | 27-02 TASK 820        |
|                   |                                    | 27-13030         | 27-02 TASK 835        |
|                   |                                    | 27-13031         | 27-02 TASK 836        |
|                   |                                    | 27-13046         | 27-02 TASK 805        |
|                   |                                    | 27-13048         | 27-02 TASK 863        |
|                   |                                    | 27-13049         | 27-02 TASK 864        |
|                   |                                    | 27-14018         | 27-02 TASK 813        |
|                   |                                    | 27-14019         | 27-02 TASK 941        |
|                   |                                    | 27-14020         | 27-02 TASK 942        |
|                   |                                    | 27-14025         | 27-02 TASK 943        |
|                   |                                    | 27-14026         | 27-02 TASK 944        |
|                   |                                    | 27-14027         | 27-02 TASK 945        |
|                   |                                    | 27-14030         | 27-02 TASK 905        |
|                   |                                    | 27-14031         | 27-02 TASK 906        |
|                   |                                    | 27-14032         | 27-02 TASK 907        |
|                   |                                    | 27-14033         | 27-02 TASK 908        |
|                   |                                    | 27-15009         | 27-02 TASK 802        |

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|-------------------|------------------------------------|------------------|-----------------------|
| 315 051 42        | STALL WARNING SYS R (EICAS STATUS) | (continued)      |                       |
|                   |                                    | 27-15010         | 27-02 TASK 849        |
|                   |                                    | 27-15011         | 27-02 TASK 850        |
|                   |                                    | 27-15012         | 27-02 TASK 851        |
|                   |                                    | 27-15100         | 27-02 TASK 946        |
|                   |                                    | 27-15101         | 27-02 TASK 947        |
|                   |                                    | 27-15102         | 27-02 TASK 948        |
|                   |                                    | 27-18811         | 27-02 TASK 901        |
|                   |                                    | 27-18822         | 27-02 TASK 919        |
|                   |                                    | 27-18833         | 27-02 TASK 920        |
|                   |                                    | 27-19101         | 27-02 TASK 974        |
|                   |                                    | 27-19201         | 27-02 TASK 979        |
|                   |                                    | 27-19301         | 27-02 TASK 983        |
|                   |                                    | 27-20252         | 27-52 TASK 809        |
|                   |                                    | 27-20262         | 27-52 TASK 810        |
|                   |                                    | 27-20272         | 27-52 TASK 811        |
|                   |                                    | 27-20692         | 27-52 TASK 812        |
|                   |                                    | 27-20702         | 27-52 TASK 813        |
|                   |                                    | 27-20712         | 27-52 TASK 814        |
|                   |                                    | 27-20892         | 27-52 TASK 826        |
|                   |                                    | 27-21162         | 27-82 TASK 815        |
|                   |                                    | 27-21172         | 27-82 TASK 816        |
|                   |                                    | 27-21182         | 27-82 TASK 817        |
|                   |                                    | 27-21242         | 27-52 TASK 832        |
|                   |                                    | 27-28801         | 27-51 TASK 841        |
|                   |                                    | 27-28802         | 27-52 TASK 835        |
|                   |                                    | 27-28851         | 27-51 TASK 869        |
|                   |                                    | 27-28852         | 27-52 TASK 837        |
|                   |                                    | 27-28862         | 27-52 TASK 836        |
|                   |                                    | 30-10041         | 30-81 TASK 801        |
|                   |                                    | 30-10052         | 30-81 TASK 803        |
|                   |                                    | 30-10141         | 30-81 TASK 802        |
|                   |                                    | 30-10152         | 30-81 TASK 804        |
|                   |                                    | 30-36121         | 30-31 TASK 801        |
|                   |                                    | 30-36122         | 30-31 TASK 802        |
|                   |                                    | 30-36123         | 30-31 TASK 803        |

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|-------------------|------------------------------------|------------------|-----------------------|
| 315 051 42        | STALL WARNING SYS R (EICAS STATUS) | (continued)      |                       |
|                   |                                    | 30-36421         | 30-31 TASK 804        |
|                   |                                    | 30-36423         | 30-31 TASK 805        |
|                   |                                    | 30-36521         | 30-31 TASK 806        |
|                   |                                    | 30-36523         | 30-31 TASK 810        |
|                   |                                    | 30-36641         | 30-31 TASK 807        |
|                   |                                    | 30-36642         | 30-31 TASK 808        |
|                   |                                    | 30-36643         | 30-31 TASK 809        |
|                   |                                    | 31-50007         | 31-44 TASK 821        |
|                   |                                    | 31-50008         | 31-44 TASK 822        |
|                   |                                    | 31-50011         | 31-44 TASK 801        |
|                   |                                    | 31-50012         | 31-44 TASK 802        |
|                   |                                    | 31-50017         | 31-44 TASK 823        |
|                   |                                    | 31-50018         | 31-44 TASK 824        |
|                   |                                    | 31-50027         | 31-44 TASK 825        |
|                   |                                    | 31-50028         | 31-44 TASK 826        |
|                   |                                    | 31-50091         | 31-44 TASK 819        |
|                   |                                    | 31-50092         | 31-44 TASK 820        |
|                   |                                    | 31-50201         | 31-43 TASK 852        |
|                   |                                    | 31-50202         | 31-43 TASK 853        |
|                   |                                    | 31-50417         | 31-44 TASK 884        |
|                   |                                    | 31-50418         | 31-44 TASK 885        |
|                   |                                    | 31-50427         | 31-44 TASK 886        |
|                   |                                    | 31-50428         | 31-44 TASK 887        |
|                   |                                    | 31-50437         | 31-44 TASK 888        |
|                   |                                    | 31-50438         | 31-44 TASK 889        |
|                   |                                    | 31-50447         | 31-44 TASK 890        |
|                   |                                    | 31-50448         | 31-44 TASK 891        |
|                   |                                    | 31-51023         | 31-44 TASK 865        |
|                   |                                    | 31-51024         | 31-44 TASK 866        |
|                   |                                    | 31-51025         | 31-43 TASK 803        |
|                   |                                    | 31-51026         | 31-43 TASK 804        |
|                   |                                    | 31-51033         | 31-44 TASK 869        |
|                   |                                    | 31-51034         | 31-44 TASK 870        |
|                   |                                    | 31-51043         | 31-44 TASK 871        |
|                   |                                    | 31-51044         | 31-44 TASK 872        |

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|-------------------|------------------------------------|------------------|-----------------------|
| 315 051 42        | STALL WARNING SYS R (EICAS STATUS) | (continued)      |                       |
|                   |                                    | 31-51411         | 34-61 TASK 913        |
|                   |                                    | 31-51412         | 34-61 TASK 914        |
|                   |                                    | 31-51413         | 34-61 TASK 815        |
|                   |                                    | 31-51414         | 34-61 TASK 889        |
|                   |                                    | 31-51421         | 34-61 TASK 888        |
|                   |                                    | 31-51422         | 34-61 TASK 814        |
|                   |                                    | 31-51423         | 34-61 TASK 815        |
|                   |                                    | 31-51424         | 34-61 TASK 889        |
|                   |                                    | 31-51531         | 31-44 TASK 837        |
|                   |                                    | 31-51532         | 31-44 TASK 838        |
|                   |                                    | 31-51533         | 31-44 TASK 839        |
|                   |                                    | 31-51534         | 31-44 TASK 840        |
|                   |                                    | 31-51731         | 31-44 TASK 841        |
|                   |                                    | 31-51732         | 31-44 TASK 842        |
|                   |                                    | 31-51733         | 31-44 TASK 843        |
|                   |                                    | 31-51734         | 31-44 TASK 844        |
|                   |                                    | 31-52013         | 31-43 TASK 866        |
|                   |                                    | 31-52014         | 31-43 TASK 867        |
|                   |                                    | 31-52101         | 31-41 TASK 817        |
|                   |                                    | 31-52112         | 31-41 TASK 820        |
|                   |                                    | 31-52121         | 31-41 TASK 821        |
|                   |                                    | 31-52122         | 31-41 TASK 822        |
|                   |                                    | 31-52601         | 31-41 TASK 832        |
|                   |                                    | 31-52602         | 31-41 TASK 833        |
|                   |                                    | 31-54013         | 31-43 TASK 868        |
|                   |                                    | 31-54014         | 31-43 TASK 869        |
|                   |                                    | 31-54101         | 31-41 TASK 834        |
|                   |                                    | 31-54102         | 31-41 TASK 835        |
|                   |                                    | 31-54121         | 31-41 TASK 838        |
|                   |                                    | 31-54122         | 31-41 TASK 839        |
|                   |                                    | 31-54601         | 31-41 TASK 840        |
|                   |                                    | 31-54602         | 31-41 TASK 841        |
|                   |                                    | 31-55401         | 31-41 TASK 840        |
|                   |                                    | 31-55402         | 31-41 TASK 841        |
|                   |                                    | 31-56013         | 31-43 TASK 870        |

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|-------------------|------------------------------------|------------------|-----------------------|
| 315 051 42        | STALL WARNING SYS R (EICAS STATUS) | (continued)      |                       |
|                   |                                    | 31-56014         | 31-43 TASK 871        |
|                   |                                    | 31-56102         | 31-41 TASK 845        |
|                   |                                    | 31-56104         | 31-45 TASK 811        |
|                   |                                    | 31-56111         | 31-41 TASK 846        |
|                   |                                    | 31-56121         | 31-41 TASK 848        |
|                   |                                    | 31-56122         | 31-41 TASK 849        |
|                   |                                    | 31-56601         | 31-41 TASK 842        |
|                   |                                    | 31-56602         | 31-41 TASK 843        |
|                   |                                    | 31-58013         | 31-43 TASK 872        |
|                   |                                    | 31-58014         | 31-43 TASK 873        |
|                   |                                    | 31-58101         | 31-41 TASK 852        |
|                   |                                    | 31-58102         | 31-41 TASK 853        |
|                   |                                    | 31-58121         | 31-41 TASK 856        |
|                   |                                    | 31-58122         | 31-41 TASK 857        |
|                   |                                    | 31-58601         | 31-41 TASK 992        |
|                   |                                    | 31-58602         | 31-41 TASK 993        |
|                   |                                    | 31-59401         | 31-41 TASK 992        |
|                   |                                    | 31-59402         | 31-41 TASK 993        |
|                   |                                    | 31-61011         | 31-43 TASK 861        |
|                   |                                    | 31-61012         | 31-43 TASK 862        |
|                   |                                    | 31-61020         | 31-43 TASK 863        |
|                   |                                    | 31-61031         | 31-41 TASK 862        |
|                   |                                    | 31-61032         | 31-41 TASK 891        |
|                   |                                    | 31-61041         | 31-43 TASK 835        |
|                   |                                    | 31-61042         | 31-43 TASK 836        |
|                   |                                    | 31-61051         | 31-43 TASK 837        |
|                   |                                    | 31-61052         | 31-43 TASK 838        |
|                   |                                    | 31-61061         | 31-43 TASK 839        |
|                   |                                    | 31-61062         | 31-43 TASK 840        |
|                   |                                    | 31-61071         | 31-43 TASK 841        |
|                   |                                    | 31-61072         | 31-43 TASK 842        |
|                   |                                    | 31-61111         | 31-43 TASK 856        |
|                   |                                    | 31-61112         | 31-43 TASK 856        |
|                   |                                    | 31-61113         | 31-43 TASK 856        |
|                   |                                    | 31-61114         | 31-43 TASK 856        |

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|-------------------|------------------------------------|------------------|-----------------------|
| 315 051 42        | STALL WARNING SYS R (EICAS STATUS) | (continued)      |                       |
|                   |                                    | 31-61115         | 31-43 TASK 856        |
|                   |                                    | 31-61116         | 31-43 TASK 856        |
|                   |                                    | 31-61117         | 31-43 TASK 856        |
|                   |                                    | 31-61118         | 31-43 TASK 856        |
|                   |                                    | 31-62031         | 31-43 TASK 846        |
|                   |                                    | 31-62032         | 31-43 TASK 847        |
|                   |                                    | 31-62041         | 31-43 TASK 848        |
|                   |                                    | 31-62042         | 31-43 TASK 849        |
|                   |                                    | 31-68801         | 31-43 TASK 892        |
|                   |                                    | 31-68802         | 31-43 TASK 893        |
|                   |                                    | 31-68811         | 31-42 TASK 908        |
|                   |                                    | 31-68832         | 31-42 TASK 908        |
|                   |                                    | 31-69101         | 31-42 TASK 801        |
|                   |                                    | 31-69102         | 31-42 TASK 801        |
|                   |                                    | 31-69117         | 31-42 TASK 806        |
|                   |                                    | 31-69118         | 31-42 TASK 806        |
|                   |                                    | 31-69201         | 31-42 TASK 809        |
|                   |                                    | 31-69202         | 31-42 TASK 809        |
|                   |                                    | 31-69209         | 31-42 TASK 812        |
|                   |                                    | 31-69210         | 31-42 TASK 812        |
|                   |                                    | 31-69219         | 31-42 TASK 814        |
|                   |                                    | 31-69220         | 31-42 TASK 814        |
|                   |                                    | 31-69301         | 31-42 TASK 817        |
|                   |                                    | 31-69302         | 31-42 TASK 817        |
|                   |                                    | 31-69311         | 31-42 TASK 820        |
|                   |                                    | 31-69312         | 31-42 TASK 820        |
|                   |                                    | 31-69317         | 31-42 TASK 822        |
|                   |                                    | 31-69318         | 31-42 TASK 822        |
|                   |                                    | 31-69401         | 31-42 TASK 825        |
|                   |                                    | 31-69402         | 31-42 TASK 825        |
|                   |                                    | 31-69496         | 31-42 TASK 915        |
|                   |                                    | 31-69497         | 31-42 TASK 915        |
|                   |                                    | 31-69501         | 31-42 TASK 852        |
|                   |                                    | 31-69502         | 31-42 TASK 852        |
|                   |                                    | 31-69541         | 31-42 TASK 855        |

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|-------------------|------------------------------------|------------------|-----------------------|
| 315 051 42        | STALL WARNING SYS R (EICAS STATUS) | (continued)      |                       |
|                   |                                    | 31-69542         | 31-42 TASK 855        |
|                   |                                    | 31-69601         | 31-42 TASK 857        |
|                   |                                    | 31-69602         | 31-42 TASK 857        |
|                   |                                    | 31-69641         | 31-42 TASK 870        |
|                   |                                    | 31-69642         | 31-42 TASK 870        |
|                   |                                    | 31-69903         | 31-42 TASK 881        |
|                   |                                    | 31-69904         | 31-42 TASK 881        |
|                   |                                    | 31-69905         | 31-42 TASK 881        |
|                   |                                    | 31-69906         | 31-42 TASK 881        |
|                   |                                    | 31-69965         | 31-42 TASK 897        |
|                   |                                    | 31-69966         | 31-42 TASK 897        |
|                   |                                    | 31-69973         | 31-42 TASK 899        |
|                   |                                    | 31-69974         | 31-42 TASK 899        |
|                   |                                    | 31-69975         | 31-42 TASK 899        |
|                   |                                    | 31-69976         | 31-42 TASK 899        |
|                   |                                    | 31-69977         | 31-42 TASK 899        |
|                   |                                    | 31-69978         | 31-42 TASK 899        |
|                   |                                    | 31-70012         | 31-51 TASK 821        |
|                   |                                    | 31-72012         | 31-51 TASK 971        |
|                   |                                    | 31-72022         | 31-51 TASK 972        |
|                   |                                    | 31-72062         | 31-51 TASK 975        |
|                   |                                    | 31-72092         | 31-51 TASK 977        |
|                   |                                    | 31-72132         | 31-51 TASK 980        |
|                   |                                    | 31-78802         | 31-51 TASK 821        |
|                   |                                    | 31-78852         | 31-51 TASK 898        |
|                   |                                    | 31-78862         | 31-51 TASK 827        |
|                   |                                    | 31-79502         | 31-51 TASK 837        |
|                   |                                    | 31-79504         | 31-51 TASK 839        |
|                   |                                    | 31-79538         | 31-51 TASK 853        |
|                   |                                    | 31-79540         | 31-51 TASK 855        |
|                   |                                    | 31-79542         | 31-51 TASK 857        |
|                   |                                    | 31-79544         | 31-51 TASK 859        |
|                   |                                    | 31-79603         | 31-51 TASK 860        |
|                   |                                    | 31-79604         | 31-51 TASK 861        |
|                   |                                    | 31-79642         | 31-51 TASK 872        |

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|-------------------|------------------------------------|------------------|-----------------------|
| 315 051 42        | STALL WARNING SYS R (EICAS STATUS) | (continued)      |                       |
|                   |                                    | 31-79644         | 31-51 TASK 873        |
|                   |                                    | 31-89417         | 31-42 TASK 915        |
|                   |                                    | 31-89418         | 31-42 TASK 915        |
|                   |                                    | 31-89617         | 31-42 TASK 916        |
|                   |                                    | 31-89618         | 31-42 TASK 916        |
|                   |                                    | 31-89619         | 31-42 TASK 916        |
|                   |                                    | 31-89620         | 31-42 TASK 916        |
|                   |                                    | 34-25101         | 34-11 TASK 801        |
|                   |                                    | 34-25102         | 34-11 TASK 802        |
|                   |                                    | 34-25103         | 34-11 TASK 803        |
|                   |                                    | 34-25201         | 34-11 TASK 804        |
|                   |                                    | 34-25202         | 34-11 TASK 805        |
|                   |                                    | 34-25203         | 34-11 TASK 806        |
|                   |                                    | 34-25601         | 34-21 TASK 808        |
|                   |                                    | 34-25603         | 34-21 TASK 885        |
|                   |                                    | 34-26101         | 34-21 TASK 810        |
|                   |                                    | 34-26102         | 34-21 TASK 839        |
|                   |                                    | 34-26103         | 34-21 TASK 840        |
|                   |                                    | 34-26201         | 34-21 TASK 843        |
|                   |                                    | 34-26202         | 34-21 TASK 844        |
|                   |                                    | 34-26203         | 34-21 TASK 845        |
|                   |                                    | 34-28801         | 34-21 TASK 848        |
|                   |                                    | 34-28810         | 34-21 TASK 849        |
|                   |                                    | 34-28813         | 34-21 TASK 813        |
|                   |                                    | 34-28816         | 34-21 TASK 814        |
|                   |                                    | 34-28824         | 34-21 TASK 850        |
|                   |                                    | 34-28827         | 34-21 TASK 851        |
|                   |                                    | 34-28830         | 34-21 TASK 852        |
|                   |                                    | 34-28835         | 34-21 TASK 853        |
|                   |                                    | 34-28838         | 34-21 TASK 854        |
|                   |                                    | 34-29101         | 34-21 TASK 893        |
|                   |                                    | 34-29102         | 34-21 TASK 815        |
|                   |                                    | 34-29105         | 34-21 TASK 816        |
|                   |                                    | 34-29107         | 34-21 TASK 817        |
|                   |                                    | 34-29115         | 34-21 TASK 857        |

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|-------------------|------------------------------------|------------------|-----------------------|
| 315 051 42        | STALL WARNING SYS R (EICAS STATUS) | (continued)      |                       |
|                   |                                    | 34-29120         | 34-21 TASK 894        |
|                   |                                    | 34-29201         | 34-21 TASK 858        |
|                   |                                    | 34-29202         | 34-21 TASK 859        |
|                   |                                    | 34-29204         | 34-21 TASK 860        |
|                   |                                    | 34-29216         | 34-21 TASK 862        |
|                   |                                    | 34-29301         | 34-21 TASK 895        |
|                   |                                    | 34-29303         | 34-21 TASK 864        |
|                   |                                    | 34-29306         | 34-21 TASK 865        |
|                   |                                    | 34-29308         | 34-21 TASK 866        |
|                   |                                    | 34-29317         | 34-21 TASK 869        |
|                   |                                    | 34-29320         | 34-21 TASK 896        |
|                   |                                    | 34-30700         | 34-21 TASK 870        |
|                   |                                    | 34-30711         | 34-21 TASK 818        |
|                   |                                    | 34-30712         | 34-21 TASK 871        |
|                   |                                    | 34-30713         | 34-21 TASK 872        |
|                   |                                    | 34-30760         | 34-21 TASK 819        |
|                   |                                    | 34-31601         | 34-21 TASK 821        |
|                   |                                    | 34-32601         | 34-21 TASK 822        |
|                   |                                    | 34-34603         | 34-21 TASK 887        |
|                   |                                    | 34-35603         | 34-21 TASK 888        |
|                   |                                    | 34-38310         | 34-21 TASK 819        |
|                   |                                    | 34-38801         | 34-21 TASK 874        |
|                   |                                    | 34-38820         | 34-21 TASK 898        |
|                   |                                    | 34-39101         | 34-21 TASK 825        |
|                   |                                    | 34-39103         | 34-21 TASK 826        |
|                   |                                    | 34-39106         | 34-21 TASK 827        |
|                   |                                    | 34-39111         | 34-21 TASK 828        |
|                   |                                    | 34-39201         | 34-21 TASK 871        |
|                   |                                    | 34-39204         | 34-21 TASK 876        |
|                   |                                    | 34-39207         | 34-21 TASK 877        |
|                   |                                    | 34-39301         | 34-21 TASK 879        |
|                   |                                    | 34-39305         | 34-21 TASK 880        |
|                   |                                    | 34-39308         | 34-21 TASK 881        |
|                   |                                    | 34-39312         | 34-21 TASK 882        |
|                   |                                    | 34-42011         | 34-33 TASK 801        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 315 051 42        | STALL WARNING SYS R (EICAS STATUS)  | (continued)      |                       |
|                   |                                     | 34-42012         | 34-33 TASK 801        |
|                   |                                     | 34-42013         | 34-33 TASK 801        |
|                   |                                     | 34-42021         | 34-33 TASK 802        |
|                   |                                     | 34-42022         | 34-33 TASK 812        |
|                   |                                     | 34-42023         | 34-33 TASK 813        |
|                   |                                     | 34-42031         | 34-33 TASK 814        |
|                   |                                     | 34-42032         | 34-33 TASK 815        |
|                   |                                     | 34-42033         | 34-33 TASK 816        |
|                   |                                     | 34-42801         | 34-33 TASK 801        |
|                   |                                     | 34-42802         | 34-33 TASK 801        |
|                   |                                     | 34-42803         | 34-33 TASK 801        |
|                   |                                     | 34-42891         | 34-33 TASK 803        |
|                   |                                     | 34-42892         | 34-33 TASK 804        |
|                   |                                     | 34-42893         | 34-33 TASK 805        |
|                   |                                     | 34-46891         | 34-46 TASK 803        |
|                   |                                     | 34-71011         | 34-61 TASK 905        |
|                   |                                     | 34-71012         | 34-61 TASK 906        |
|                   |                                     | 34-71060         | 34-90 TASK 801        |
| 315 056 00        | A/P DISC WARN SYS (EICAS STATUS)    | 31-78150         | 31-51 TASK 893        |
|                   |                                     | 31-78151         | 31-51 TASK 915        |
|                   |                                     | 31-78152         | 31-51 TASK 915        |
|                   |                                     | 31-78153         | 31-51 TASK 916        |
|                   |                                     | 31-78154         | 31-51 TASK 916        |
|                   |                                     | 31-78155         | 31-51 TASK 917        |
|                   |                                     | 31-78156         | 31-51 TASK 917        |
| 315 061 01        | CONFIG WARNING SYS (EICAS ADVISORY) | 21-16205         | 21-25 TASK 823        |
|                   |                                     | 22-18804         | 22-18 TASK 801        |
|                   |                                     | 22-18894         | 22-18 TASK 804        |
|                   |                                     | 22-18895         | 22-18 TASK 805        |
|                   |                                     | 23-81001         | 23-91 TASK 801        |
|                   |                                     | 23-81002         | 23-91 TASK 802        |
|                   |                                     | 23-81003         | 23-91 TASK 803        |
|                   |                                     | 23-81004         | 23-91 TASK 804        |
|                   |                                     | 23-81005         | 23-91 TASK 805        |
|                   |                                     | 23-81006         | 23-91 TASK 806        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 315 061 01        | CONFIG WARNING SYS (EICAS ADVISORY) | (continued)      |                       |
|                   |                                     | 23-81007         | 23-91 TASK 807        |
|                   |                                     | 24-11780         | 24-53 TASK 805        |
|                   |                                     | 24-11781         | 24-51 TASK 837        |
|                   |                                     | 24-11784         | 24-51 TASK 836        |
|                   |                                     | 24-11786         | 24-51 TASK 833        |
|                   |                                     | 24-11787         | 24-32 TASK 817        |
|                   |                                     | 24-11790         | 24-08 TASK 833        |
|                   |                                     | 24-11793         | 24-08 TASK 834        |
|                   |                                     | 24-11795         | 24-08 TASK 804        |
|                   |                                     | 24-11796         | 24-08 TASK 804        |
|                   |                                     | 24-12051         | 24-32 TASK 819        |
|                   |                                     | 24-12056         | 24-32 TASK 820        |
|                   |                                     | 24-12057         | 24-08 TASK 836        |
|                   |                                     | 24-12122         | 24-08 TASK 835        |
|                   |                                     | 24-12124         | 24-51 TASK 840        |
|                   |                                     | 24-12125         | 24-51 TASK 841        |
|                   |                                     | 24-12126         | 24-51 TASK 841        |
|                   |                                     | 24-12127         | 24-51 TASK 842        |
|                   |                                     | 24-12800         | 24-08 TASK 805        |
|                   |                                     | 24-12801         | 24-08 TASK 805        |
|                   |                                     | 24-13801         | 24-61 TASK 805        |
|                   |                                     | 24-13814         | 24-33 TASK 817        |
|                   |                                     | 24-13815         | 24-61 TASK 806        |
|                   |                                     | 24-13816         | 24-32 TASK 831        |
|                   |                                     | 24-13817         | 24-33 TASK 818        |
|                   |                                     | 24-13818         | 24-53 TASK 807        |
|                   |                                     | 24-18801         | 24-09 TASK 806        |
|                   |                                     | 24-18802         | 24-09 TASK 807        |
|                   |                                     | 24-78841         | 24-08 TASK 860        |
|                   |                                     | 24-78842         | 24-08 TASK 862        |
|                   |                                     | 24-78861         | 24-08 TASK 861        |
|                   |                                     | 24-78862         | 24-08 TASK 863        |
|                   |                                     | 27-10802         | 27-21 TASK 805        |
|                   |                                     | 27-11000         | 27-41 TASK 807        |
|                   |                                     | 27-11001         | 27-41 TASK 810        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 315 061 01        | CONFIG WARNING SYS (EICAS ADVISORY) | (continued)      |                       |
|                   |                                     | 27-11002         | 27-41 TASK 811        |
|                   |                                     | 27-11003         | 27-41 TASK 820        |
|                   |                                     | 27-11004         | 27-41 TASK 837        |
|                   |                                     | 27-11005         | 27-41 TASK 838        |
|                   |                                     | 27-11006         | 27-41 TASK 808        |
|                   |                                     | 27-11416         | 27-21 TASK 840        |
|                   |                                     | 27-12300         | 27-61 TASK 816        |
|                   |                                     | 27-12301         | 27-61 TASK 835        |
|                   |                                     | 27-12302         | 27-61 TASK 836        |
|                   |                                     | 27-12303         | 27-61 TASK 837        |
|                   |                                     | 27-12304         | 27-61 TASK 817        |
|                   |                                     | 27-12305         | 27-61 TASK 838        |
|                   |                                     | 27-12306         | 27-61 TASK 839        |
|                   |                                     | 27-12307         | 27-61 TASK 840        |
|                   |                                     | 27-12308         | 27-61 TASK 818        |
|                   |                                     | 27-13000         | 27-02 TASK 880        |
|                   |                                     | 27-13001         | 27-02 TASK 881        |
|                   |                                     | 27-13002         | 27-02 TASK 808        |
|                   |                                     | 27-13003         | 27-02 TASK 809        |
|                   |                                     | 27-13008         | 27-02 TASK 807        |
|                   |                                     | 27-13009         | 27-02 TASK 877        |
|                   |                                     | 27-13010         | 27-02 TASK 878        |
|                   |                                     | 27-13011         | 27-02 TASK 879        |
|                   |                                     | 27-13020         | 27-02 TASK 818        |
|                   |                                     | 27-13022         | 27-02 TASK 829        |
|                   |                                     | 27-13023         | 27-02 TASK 830        |
|                   |                                     | 27-13024         | 27-02 TASK 831        |
|                   |                                     | 27-13027         | 27-02 TASK 833        |
|                   |                                     | 27-13028         | 27-02 TASK 834        |
|                   |                                     | 27-13029         | 27-02 TASK 820        |
|                   |                                     | 27-13030         | 27-02 TASK 835        |
|                   |                                     | 27-13031         | 27-02 TASK 836        |
|                   |                                     | 27-13046         | 27-02 TASK 805        |
|                   |                                     | 27-13048         | 27-02 TASK 863        |
|                   |                                     | 27-13049         | 27-02 TASK 864        |

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| 315 061 01        | CONFIG WARNING SYS (EICAS ADVISORY) | (continued)      |                       |
|                   |                                     | 27-14018         | 27-02 TASK 813        |
|                   |                                     | 27-14019         | 27-02 TASK 941        |
|                   |                                     | 27-14020         | 27-02 TASK 942        |
|                   |                                     | 27-14025         | 27-02 TASK 943        |
|                   |                                     | 27-14026         | 27-02 TASK 944        |
|                   |                                     | 27-14027         | 27-02 TASK 945        |
|                   |                                     | 27-14030         | 27-02 TASK 905        |
|                   |                                     | 27-14031         | 27-02 TASK 906        |
|                   |                                     | 27-14032         | 27-02 TASK 907        |
|                   |                                     | 27-14033         | 27-02 TASK 908        |
|                   |                                     | 27-15009         | 27-02 TASK 802        |
|                   |                                     | 27-15010         | 27-02 TASK 849        |
|                   |                                     | 27-15011         | 27-02 TASK 850        |
|                   |                                     | 27-15012         | 27-02 TASK 851        |
|                   |                                     | 27-15100         | 27-02 TASK 946        |
|                   |                                     | 27-15101         | 27-02 TASK 947        |
|                   |                                     | 27-15102         | 27-02 TASK 948        |
|                   |                                     | 27-18811         | 27-02 TASK 901        |
|                   |                                     | 27-18822         | 27-02 TASK 919        |
|                   |                                     | 27-18833         | 27-02 TASK 920        |
|                   |                                     | 27-19101         | 27-02 TASK 974        |
|                   |                                     | 27-19201         | 27-02 TASK 979        |
|                   |                                     | 27-19301         | 27-02 TASK 983        |
|                   |                                     | 27-20251         | 27-51 TASK 863        |
|                   |                                     | 27-20252         | 27-52 TASK 809        |
|                   |                                     | 27-20261         | 27-51 TASK 809        |
|                   |                                     | 27-20262         | 27-52 TASK 810        |
|                   |                                     | 27-20271         | 27-51 TASK 810        |
|                   |                                     | 27-20272         | 27-52 TASK 811        |
|                   |                                     | 27-20691         | 27-51 TASK 811        |
|                   |                                     | 27-20692         | 27-52 TASK 812        |
|                   |                                     | 27-20701         | 27-51 TASK 812        |
|                   |                                     | 27-20702         | 27-52 TASK 813        |
|                   |                                     | 27-20711         | 27-51 TASK 813        |
|                   |                                     | 27-20712         | 27-52 TASK 814        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 315 061 01        | CONFIG WARNING SYS (EICAS ADVISORY) | (continued)      |                       |
|                   |                                     | 27-20891         | 27-51 TASK 823        |
|                   |                                     | 27-20892         | 27-52 TASK 826        |
|                   |                                     | 27-21161         | 27-81 TASK 814        |
|                   |                                     | 27-21162         | 27-82 TASK 815        |
|                   |                                     | 27-21171         | 27-81 TASK 815        |
|                   |                                     | 27-21172         | 27-82 TASK 816        |
|                   |                                     | 27-21181         | 27-81 TASK 816        |
|                   |                                     | 27-21182         | 27-82 TASK 817        |
|                   |                                     | 27-21241         | 27-51 TASK 838        |
|                   |                                     | 27-21242         | 27-52 TASK 832        |
|                   |                                     | 27-28801         | 27-51 TASK 841        |
|                   |                                     | 27-28802         | 27-52 TASK 835        |
|                   |                                     | 27-28841         | 27-51 TASK 842        |
|                   |                                     | 27-28851         | 27-51 TASK 869        |
|                   |                                     | 27-28852         | 27-52 TASK 837        |
|                   |                                     | 27-28862         | 27-52 TASK 836        |
|                   |                                     | 28-18801         | 28-41 TASK 801        |
|                   |                                     | 28-18840         | 28-41 TASK 802        |
|                   |                                     | 28-18860         | 28-41 TASK 803        |
|                   |                                     | 28-20005         | 28-41 TASK 802        |
|                   |                                     | 28-20006         | 28-41 TASK 803        |
|                   |                                     | 28-20021         | 28-41 TASK 804        |
|                   |                                     | 28-20036         | 28-41 TASK 804        |
|                   |                                     | 28-20049         | 28-41 TASK 812        |
|                   |                                     | 28-20050         | 28-41 TASK 801        |
|                   |                                     | 28-20056         | 28-41 TASK 804        |
|                   |                                     | 28-20057         | 28-41 TASK 804        |
|                   |                                     | 28-20100         | 28-41 TASK 814        |
|                   |                                     | 28-20101         | 28-41 TASK 815        |
|                   |                                     | 28-20104         | 28-41 TASK 804        |
|                   |                                     | 28-20105         | 28-41 TASK 804        |
|                   |                                     | 28-20148         | 28-41 TASK 821        |
|                   |                                     | 28-20149         | 28-41 TASK 816        |
|                   |                                     | 28-20150         | 28-41 TASK 822        |
|                   |                                     | 28-20303         | 28-41 TASK 828        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 315 061 01        | CONFIG WARNING SYS (EICAS ADVISORY) | (continued)      |                       |
|                   |                                     | 28-28010         | 28-41 TASK 823        |
|                   |                                     | 28-29401         | 28-41 TASK 802        |
|                   |                                     | 28-29601         | 28-41 TASK 803        |
|                   |                                     | 30-36121         | 30-31 TASK 801        |
|                   |                                     | 30-36122         | 30-31 TASK 802        |
|                   |                                     | 30-36123         | 30-31 TASK 803        |
|                   |                                     | 30-36421         | 30-31 TASK 804        |
|                   |                                     | 30-36423         | 30-31 TASK 805        |
|                   |                                     | 30-36521         | 30-31 TASK 806        |
|                   |                                     | 30-36523         | 30-31 TASK 810        |
|                   |                                     | 30-36641         | 30-31 TASK 807        |
|                   |                                     | 30-36642         | 30-31 TASK 808        |
|                   |                                     | 30-36643         | 30-31 TASK 809        |
|                   |                                     | 31-50007         | 31-44 TASK 821        |
|                   |                                     | 31-50008         | 31-44 TASK 822        |
|                   |                                     | 31-50011         | 31-44 TASK 801        |
|                   |                                     | 31-50012         | 31-44 TASK 802        |
|                   |                                     | 31-50017         | 31-44 TASK 823        |
|                   |                                     | 31-50018         | 31-44 TASK 824        |
|                   |                                     | 31-50027         | 31-44 TASK 825        |
|                   |                                     | 31-50028         | 31-44 TASK 826        |
|                   |                                     | 31-50091         | 31-44 TASK 819        |
|                   |                                     | 31-50092         | 31-44 TASK 820        |
|                   |                                     | 31-50201         | 31-43 TASK 852        |
|                   |                                     | 31-50202         | 31-43 TASK 853        |
|                   |                                     | 31-50417         | 31-44 TASK 884        |
|                   |                                     | 31-50418         | 31-44 TASK 885        |
|                   |                                     | 31-50427         | 31-44 TASK 886        |
|                   |                                     | 31-50428         | 31-44 TASK 887        |
|                   |                                     | 31-50437         | 31-44 TASK 888        |
|                   |                                     | 31-50438         | 31-44 TASK 889        |
|                   |                                     | 31-50447         | 31-44 TASK 890        |
|                   |                                     | 31-50448         | 31-44 TASK 891        |
|                   |                                     | 31-51023         | 31-44 TASK 865        |
|                   |                                     | 31-51024         | 31-44 TASK 866        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 315 061 01        | CONFIG WARNING SYS (EICAS ADVISORY) | (continued)      |                       |
|                   |                                     | 31-51025         | 31-43 TASK 803        |
|                   |                                     | 31-51026         | 31-43 TASK 804        |
|                   |                                     | 31-51033         | 31-44 TASK 869        |
|                   |                                     | 31-51034         | 31-44 TASK 870        |
|                   |                                     | 31-51043         | 31-44 TASK 871        |
|                   |                                     | 31-51044         | 31-44 TASK 872        |
|                   |                                     | 31-51411         | 34-61 TASK 913        |
|                   |                                     | 31-51412         | 34-61 TASK 914        |
|                   |                                     | 31-51413         | 34-61 TASK 815        |
|                   |                                     | 31-51414         | 34-61 TASK 889        |
|                   |                                     | 31-51421         | 34-61 TASK 888        |
|                   |                                     | 31-51422         | 34-61 TASK 814        |
|                   |                                     | 31-51423         | 34-61 TASK 815        |
|                   |                                     | 31-51424         | 34-61 TASK 889        |
|                   |                                     | 31-51531         | 31-44 TASK 837        |
|                   |                                     | 31-51532         | 31-44 TASK 838        |
|                   |                                     | 31-51533         | 31-44 TASK 839        |
|                   |                                     | 31-51534         | 31-44 TASK 840        |
|                   |                                     | 31-51731         | 31-44 TASK 841        |
|                   |                                     | 31-51732         | 31-44 TASK 842        |
|                   |                                     | 31-51733         | 31-44 TASK 843        |
|                   |                                     | 31-51734         | 31-44 TASK 844        |
|                   |                                     | 31-52013         | 31-43 TASK 866        |
|                   |                                     | 31-52014         | 31-43 TASK 867        |
|                   |                                     | 31-52101         | 31-41 TASK 817        |
|                   |                                     | 31-52112         | 31-41 TASK 820        |
|                   |                                     | 31-52121         | 31-41 TASK 821        |
|                   |                                     | 31-52122         | 31-41 TASK 822        |
|                   |                                     | 31-52601         | 31-41 TASK 832        |
|                   |                                     | 31-52602         | 31-41 TASK 833        |
|                   |                                     | 31-54013         | 31-43 TASK 868        |
|                   |                                     | 31-54014         | 31-43 TASK 869        |
|                   |                                     | 31-54101         | 31-41 TASK 834        |
|                   |                                     | 31-54102         | 31-41 TASK 835        |
|                   |                                     | 31-54121         | 31-41 TASK 838        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 315 061 01        | CONFIG WARNING SYS (EICAS ADVISORY) | (continued)      |                       |
|                   |                                     | 31-54122         | 31-41 TASK 839        |
|                   |                                     | 31-54601         | 31-41 TASK 840        |
|                   |                                     | 31-54602         | 31-41 TASK 841        |
|                   |                                     | 31-55401         | 31-41 TASK 840        |
|                   |                                     | 31-55402         | 31-41 TASK 841        |
|                   |                                     | 31-56013         | 31-43 TASK 870        |
|                   |                                     | 31-56014         | 31-43 TASK 871        |
|                   |                                     | 31-56102         | 31-41 TASK 845        |
|                   |                                     | 31-56104         | 31-45 TASK 811        |
|                   |                                     | 31-56111         | 31-41 TASK 846        |
|                   |                                     | 31-56121         | 31-41 TASK 848        |
|                   |                                     | 31-56122         | 31-41 TASK 849        |
|                   |                                     | 31-56601         | 31-41 TASK 842        |
|                   |                                     | 31-56602         | 31-41 TASK 843        |
|                   |                                     | 31-58013         | 31-43 TASK 872        |
|                   |                                     | 31-58014         | 31-43 TASK 873        |
|                   |                                     | 31-58101         | 31-41 TASK 852        |
|                   |                                     | 31-58102         | 31-41 TASK 853        |
|                   |                                     | 31-58121         | 31-41 TASK 856        |
|                   |                                     | 31-58122         | 31-41 TASK 857        |
|                   |                                     | 31-58601         | 31-41 TASK 992        |
|                   |                                     | 31-58602         | 31-41 TASK 993        |
|                   |                                     | 31-59401         | 31-41 TASK 992        |
|                   |                                     | 31-59402         | 31-41 TASK 993        |
|                   |                                     | 31-61011         | 31-43 TASK 861        |
|                   |                                     | 31-61012         | 31-43 TASK 862        |
|                   |                                     | 31-61020         | 31-43 TASK 863        |
|                   |                                     | 31-61031         | 31-41 TASK 862        |
|                   |                                     | 31-61032         | 31-41 TASK 891        |
|                   |                                     | 31-61041         | 31-43 TASK 835        |
|                   |                                     | 31-61042         | 31-43 TASK 836        |
|                   |                                     | 31-61051         | 31-43 TASK 837        |
|                   |                                     | 31-61052         | 31-43 TASK 838        |
|                   |                                     | 31-61061         | 31-43 TASK 839        |
|                   |                                     | 31-61062         | 31-43 TASK 840        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 315 061 01        | CONFIG WARNING SYS (EICAS ADVISORY) | (continued)      |                       |
|                   |                                     | 31-61071         | 31-43 TASK 841        |
|                   |                                     | 31-61072         | 31-43 TASK 842        |
|                   |                                     | 31-61111         | 31-43 TASK 856        |
|                   |                                     | 31-61112         | 31-43 TASK 856        |
|                   |                                     | 31-61113         | 31-43 TASK 856        |
|                   |                                     | 31-61114         | 31-43 TASK 856        |
|                   |                                     | 31-61115         | 31-43 TASK 856        |
|                   |                                     | 31-61116         | 31-43 TASK 856        |
|                   |                                     | 31-61117         | 31-43 TASK 856        |
|                   |                                     | 31-61118         | 31-43 TASK 856        |
|                   |                                     | 31-62031         | 31-43 TASK 846        |
|                   |                                     | 31-62032         | 31-43 TASK 847        |
|                   |                                     | 31-62041         | 31-43 TASK 848        |
|                   |                                     | 31-62042         | 31-43 TASK 849        |
|                   |                                     | 31-68801         | 31-43 TASK 892        |
|                   |                                     | 31-68802         | 31-43 TASK 893        |
|                   |                                     | 31-68811         | 31-42 TASK 908        |
|                   |                                     | 31-68832         | 31-42 TASK 908        |
|                   |                                     | 31-69101         | 31-42 TASK 801        |
|                   |                                     | 31-69102         | 31-42 TASK 801        |
|                   |                                     | 31-69107         | 31-42 TASK 804        |
|                   |                                     | 31-69108         | 31-42 TASK 804        |
|                   |                                     | 31-69117         | 31-42 TASK 806        |
|                   |                                     | 31-69118         | 31-42 TASK 806        |
|                   |                                     | 31-69201         | 31-42 TASK 809        |
|                   |                                     | 31-69202         | 31-42 TASK 809        |
|                   |                                     | 31-69209         | 31-42 TASK 812        |
|                   |                                     | 31-69210         | 31-42 TASK 812        |
|                   |                                     | 31-69219         | 31-42 TASK 814        |
|                   |                                     | 31-69220         | 31-42 TASK 814        |
|                   |                                     | 31-69301         | 31-42 TASK 817        |
|                   |                                     | 31-69302         | 31-42 TASK 817        |
|                   |                                     | 31-69311         | 31-42 TASK 820        |
|                   |                                     | 31-69312         | 31-42 TASK 820        |
|                   |                                     | 31-69317         | 31-42 TASK 822        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 315 061 01        | CONFIG WARNING SYS (EICAS ADVISORY) | (continued)      |                       |
|                   |                                     | 31-69318         | 31-42 TASK 822        |
|                   |                                     | 31-69401         | 31-42 TASK 825        |
|                   |                                     | 31-69402         | 31-42 TASK 825        |
|                   |                                     | 31-69433         | 31-42 TASK 838        |
|                   |                                     | 31-69434         | 31-42 TASK 838        |
|                   |                                     | 31-69437         | 31-42 TASK 839        |
|                   |                                     | 31-69438         | 31-42 TASK 839        |
|                   |                                     | 31-69469         | 31-42 TASK 850        |
|                   |                                     | 31-69470         | 31-42 TASK 850        |
|                   |                                     | 31-69471         | 31-42 TASK 850        |
|                   |                                     | 31-69472         | 31-42 TASK 850        |
|                   |                                     | 31-69496         | 31-42 TASK 915        |
|                   |                                     | 31-69497         | 31-42 TASK 915        |
|                   |                                     | 31-69501         | 31-42 TASK 852        |
|                   |                                     | 31-69502         | 31-42 TASK 852        |
|                   |                                     | 31-69533         | 31-42 TASK 854        |
|                   |                                     | 31-69534         | 31-42 TASK 854        |
|                   |                                     | 31-69535         | 31-42 TASK 854        |
|                   |                                     | 31-69536         | 31-42 TASK 854        |
|                   |                                     | 31-69569         | 31-42 TASK 856        |
|                   |                                     | 31-69570         | 31-42 TASK 856        |
|                   |                                     | 31-69573         | 31-42 TASK 856        |
|                   |                                     | 31-69574         | 31-42 TASK 856        |
|                   |                                     | 31-69577         | 31-42 TASK 856        |
|                   |                                     | 31-69578         | 31-42 TASK 856        |
|                   |                                     | 31-69579         | 31-42 TASK 856        |
|                   |                                     | 31-69580         | 31-42 TASK 856        |
|                   |                                     | 31-69601         | 31-42 TASK 857        |
|                   |                                     | 31-69602         | 31-42 TASK 857        |
|                   |                                     | 31-69635         | 31-42 TASK 868        |
|                   |                                     | 31-69636         | 31-42 TASK 868        |
|                   |                                     | 31-69637         | 31-42 TASK 869        |
|                   |                                     | 31-69638         | 31-42 TASK 869        |
|                   |                                     | 31-69675         | 31-42 TASK 877        |
|                   |                                     | 31-69676         | 31-42 TASK 877        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 315 061 01        | CONFIG WARNING SYS (EICAS ADVISORY) | (continued)      |                       |
|                   |                                     | 31-69677         | 31-42 TASK 877        |
|                   |                                     | 31-69678         | 31-42 TASK 877        |
|                   |                                     | 31-69701         | 31-42 TASK 879        |
|                   |                                     | 31-69702         | 31-42 TASK 879        |
|                   |                                     | 31-69771         | 31-42 TASK 880        |
|                   |                                     | 31-69772         | 31-42 TASK 880        |
|                   |                                     | 31-69773         | 31-42 TASK 880        |
|                   |                                     | 31-69774         | 31-42 TASK 880        |
|                   |                                     | 31-69775         | 31-42 TASK 880        |
|                   |                                     | 31-69776         | 31-42 TASK 880        |
|                   |                                     | 31-69779         | 31-42 TASK 880        |
|                   |                                     | 31-69780         | 31-42 TASK 880        |
|                   |                                     | 31-69903         | 31-42 TASK 881        |
|                   |                                     | 31-69904         | 31-42 TASK 881        |
|                   |                                     | 31-69905         | 31-42 TASK 881        |
|                   |                                     | 31-69906         | 31-42 TASK 881        |
|                   |                                     | 31-69965         | 31-42 TASK 897        |
|                   |                                     | 31-69966         | 31-42 TASK 897        |
|                   |                                     | 31-69973         | 31-42 TASK 899        |
|                   |                                     | 31-69974         | 31-42 TASK 899        |
|                   |                                     | 31-69975         | 31-42 TASK 899        |
|                   |                                     | 31-69976         | 31-42 TASK 899        |
|                   |                                     | 31-69977         | 31-42 TASK 899        |
|                   |                                     | 31-69978         | 31-42 TASK 899        |
|                   |                                     | 31-70011         | 31-51 TASK 801        |
|                   |                                     | 31-70012         | 31-51 TASK 821        |
|                   |                                     | 31-70021         | 31-51 TASK 802        |
|                   |                                     | 31-70022         | 31-51 TASK 822        |
|                   |                                     | 31-70035         | 31-51 TASK 963        |
|                   |                                     | 31-70036         | 31-51 TASK 964        |
|                   |                                     | 31-70037         | 31-51 TASK 965        |
|                   |                                     | 31-70038         | 31-51 TASK 966        |
|                   |                                     | 31-72021         | 31-51 TASK 972        |
|                   |                                     | 31-72022         | 31-51 TASK 972        |
|                   |                                     | 31-72051         | 31-51 TASK 974        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 315 061 01        | CONFIG WARNING SYS (EICAS ADVISORY) | (continued)      |                       |
|                   |                                     | 31-72052         | 31-51 TASK 974        |
|                   |                                     | 31-72061         | 31-51 TASK 975        |
|                   |                                     | 31-72062         | 31-51 TASK 975        |
|                   |                                     | 31-72081         | 31-51 TASK 976        |
|                   |                                     | 31-72082         | 31-51 TASK 976        |
|                   |                                     | 31-72091         | 31-51 TASK 977        |
|                   |                                     | 31-72092         | 31-51 TASK 977        |
|                   |                                     | 31-72111         | 31-51 TASK 978        |
|                   |                                     | 31-72112         | 31-51 TASK 978        |
|                   |                                     | 31-72131         | 31-51 TASK 980        |
|                   |                                     | 31-72132         | 31-51 TASK 980        |
|                   |                                     | 31-72171         | 31-51 TASK 982        |
|                   |                                     | 31-72172         | 31-51 TASK 982        |
|                   |                                     | 31-72181         | 31-51 TASK 983        |
|                   |                                     | 31-72182         | 31-51 TASK 983        |
|                   |                                     | 31-72191         | 31-51 TASK 984        |
|                   |                                     | 31-72192         | 31-51 TASK 984        |
|                   |                                     | 31-72201         | 31-51 TASK 985        |
|                   |                                     | 31-72202         | 31-51 TASK 985        |
|                   |                                     | 31-78071         | 31-51 TASK 906        |
|                   |                                     | 31-78073         | 31-51 TASK 907        |
|                   |                                     | 31-78170         | 31-51 TASK 894        |
|                   |                                     | 31-78171         | 31-51 TASK 937        |
|                   |                                     | 31-78172         | 31-51 TASK 937        |
|                   |                                     | 31-78173         | 31-51 TASK 938        |
|                   |                                     | 31-78174         | 31-51 TASK 938        |
|                   |                                     | 31-78801         | 31-51 TASK 801        |
|                   |                                     | 31-78802         | 31-51 TASK 821        |
|                   |                                     | 31-78891         | 31-51 TASK 828        |
|                   |                                     | 31-78892         | 31-51 TASK 803        |
|                   |                                     | 31-78893         | 31-51 TASK 829        |
|                   |                                     | 31-78894         | 31-51 TASK 830        |
|                   |                                     | 31-79401         | 31-51 TASK 804        |
|                   |                                     | 31-79402         | 31-51 TASK 805        |
|                   |                                     | 31-79437         | 31-51 TASK 815        |

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| <b>FAULT CODE</b> | <b>FAULT DESCRIPTION</b>            | <b>MAINT MSG</b> | <b>GO TO FIM TASK</b> |
|-------------------|-------------------------------------|------------------|-----------------------|
| 315 061 01        | CONFIG WARNING SYS (EICAS ADVISORY) | (continued)      |                       |
|                   |                                     | 31-79439         | 31-51 TASK 816        |
|                   |                                     | 31-79457         | 31-51 TASK 834        |
|                   |                                     | 31-79459         | 31-51 TASK 835        |
|                   |                                     | 31-79501         | 31-51 TASK 836        |
|                   |                                     | 31-79502         | 31-51 TASK 837        |
|                   |                                     | 31-79503         | 31-51 TASK 838        |
|                   |                                     | 31-79504         | 31-51 TASK 839        |
|                   |                                     | 31-79537         | 31-51 TASK 852        |
|                   |                                     | 31-79538         | 31-51 TASK 853        |
|                   |                                     | 31-79539         | 31-51 TASK 854        |
|                   |                                     | 31-79540         | 31-51 TASK 855        |
|                   |                                     | 31-79541         | 31-51 TASK 856        |
|                   |                                     | 31-79542         | 31-51 TASK 857        |
|                   |                                     | 31-79543         | 31-51 TASK 858        |
|                   |                                     | 31-79544         | 31-51 TASK 859        |
|                   |                                     | 31-79603         | 31-51 TASK 860        |
|                   |                                     | 31-79604         | 31-51 TASK 861        |
|                   |                                     | 31-79642         | 31-51 TASK 872        |
|                   |                                     | 31-79644         | 31-51 TASK 873        |
|                   |                                     | 31-79658         | 31-51 TASK 880        |
|                   |                                     | 31-79660         | 31-51 TASK 881        |
|                   |                                     | 31-79905         | 31-51 TASK 882        |
|                   |                                     | 31-79906         | 31-51 TASK 883        |
|                   |                                     | 31-79907         | 31-51 TASK 884        |
|                   |                                     | 31-79908         | 31-51 TASK 967        |
|                   |                                     | 31-79909         | 31-51 TASK 885        |
|                   |                                     | 31-79910         | 31-51 TASK 886        |
|                   |                                     | 31-79911         | 31-51 TASK 887        |
|                   |                                     | 31-79912         | 31-51 TASK 888        |
|                   |                                     | 31-79913         | 31-51 TASK 889        |
|                   |                                     | 31-79914         | 31-51 TASK 890        |
|                   |                                     | 31-79915         | 31-51 TASK 943        |
|                   |                                     | 31-79916         | 31-51 TASK 944        |
|                   |                                     | 31-79917         | 31-51 TASK 935        |
|                   |                                     | 31-79918         | 31-51 TASK 936        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 315 061 01        | CONFIG WARNING SYS (EICAS ADVISORY) | (continued)      |                       |
|                   |                                     | 31-79919         | 31-51 TASK 941        |
|                   |                                     | 31-79920         | 31-51 TASK 942        |
|                   |                                     | 31-89417         | 31-42 TASK 915        |
|                   |                                     | 31-89418         | 31-42 TASK 915        |
|                   |                                     | 31-89617         | 31-42 TASK 916        |
|                   |                                     | 31-89618         | 31-42 TASK 916        |
|                   |                                     | 31-89619         | 31-42 TASK 916        |
|                   |                                     | 31-89620         | 31-42 TASK 916        |
|                   |                                     | 32-71091         | 32-07 TASK 815        |
|                   |                                     | 32-71092         | 32-07 TASK 815        |
|                   |                                     | 32-71131         | 32-07 TASK 811        |
|                   |                                     | 32-71140         | 32-07 TASK 817        |
|                   |                                     | 32-71150         | 32-07 TASK 815        |
|                   |                                     | 32-71220         | 32-07 TASK 815        |
|                   |                                     | 32-71242         | 32-07 TASK 815        |
|                   |                                     | 32-71252         | 32-07 TASK 818        |
|                   |                                     | 32-71262         | 32-07 TASK 813        |
|                   |                                     | 32-71282         | 32-07 TASK 810        |
|                   |                                     | 32-71392         | 32-07 TASK 879        |
|                   |                                     | 32-71561         | 32-07 TASK 811        |
|                   |                                     | 32-71562         | 32-07 TASK 813        |
|                   |                                     | 32-71571         | 32-07 TASK 811        |
|                   |                                     | 32-71572         | 32-07 TASK 813        |
|                   |                                     | 32-71681         | 32-07 TASK 881        |
|                   |                                     | 32-71682         | 32-07 TASK 882        |
|                   |                                     | 32-71720         | 32-62 TASK 801        |
|                   |                                     | 32-71730         | 32-62 TASK 801        |
|                   |                                     | 32-71740         | 32-62 TASK 801        |
|                   |                                     | 32-71750         | 32-62 TASK 801        |
|                   |                                     | 32-71760         | 32-62 TASK 801        |
|                   |                                     | 32-71770         | 32-62 TASK 811        |
|                   |                                     | 32-71780         | 32-62 TASK 811        |
|                   |                                     | 32-71790         | 32-62 TASK 811        |
|                   |                                     | 32-71800         | 32-62 TASK 811        |
|                   |                                     | 32-71810         | 32-62 TASK 811        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 315 061 01        | CONFIG WARNING SYS (EICAS ADVISORY) | (continued)      |                       |
|                   |                                     | 32-71830         | 32-62 TASK 811        |
|                   |                                     | 32-71840         | 32-62 TASK 811        |
|                   |                                     | 32-71850         | 32-62 TASK 811        |
|                   |                                     | 32-71860         | 32-62 TASK 811        |
|                   |                                     | 32-71870         | 32-62 TASK 811        |
|                   |                                     | 32-71874         | 32-62 TASK 813        |
|                   |                                     | 32-71876         | 32-62 TASK 814        |
|                   |                                     | 32-71880         | 32-62 TASK 817        |
|                   |                                     | 32-71890         | 32-62 TASK 817        |
|                   |                                     | 32-71900         | 32-62 TASK 817        |
|                   |                                     | 32-71910         | 32-62 TASK 807        |
|                   |                                     | 32-71920         | 32-62 TASK 808        |
|                   |                                     | 32-71930         | 32-62 TASK 819        |
|                   |                                     | 32-71940         | 32-62 TASK 819        |
|                   |                                     | 32-71950         | 32-62 TASK 819        |
|                   |                                     | 32-71970         | 32-62 TASK 820        |
|                   |                                     | 32-71980         | 32-62 TASK 817        |
|                   |                                     | 32-71990         | 32-62 TASK 817        |
|                   |                                     | 32-72000         | 32-62 TASK 817        |
|                   |                                     | 32-72010         | 32-62 TASK 807        |
|                   |                                     | 32-72020         | 32-62 TASK 808        |
|                   |                                     | 32-72131         | 32-07 TASK 835        |
|                   |                                     | 32-72132         | 32-07 TASK 835        |
|                   |                                     | 32-72182         | 32-07 TASK 831        |
|                   |                                     | 32-72192         | 32-07 TASK 844        |
|                   |                                     | 32-72202         | 32-07 TASK 835        |
|                   |                                     | 32-72210         | 32-07 TASK 835        |
|                   |                                     | 32-72220         | 32-07 TASK 835        |
|                   |                                     | 32-72250         | 32-07 TASK 835        |
|                   |                                     | 32-72271         | 32-07 TASK 835        |
|                   |                                     | 32-72274         | 32-62 TASK 816        |
|                   |                                     | 32-72276         | 32-62 TASK 815        |
|                   |                                     | 32-72281         | 32-07 TASK 845        |
|                   |                                     | 32-72291         | 32-07 TASK 829        |
|                   |                                     | 32-72371         | 32-07 TASK 829        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 315 061 01        | CONFIG WARNING SYS (EICAS ADVISORY) | (continued)      |                       |
|                   |                                     | 32-72372         | 32-07 TASK 831        |
|                   |                                     | 32-72381         | 32-07 TASK 829        |
|                   |                                     | 32-72382         | 32-07 TASK 831        |
|                   |                                     | 32-72391         | 32-07 TASK 829        |
|                   |                                     | 32-72392         | 32-07 TASK 831        |
|                   |                                     | 32-72400         | 32-07 TASK 829        |
|                   |                                     | 32-72410         | 32-07 TASK 831        |
|                   |                                     | 32-72441         | 32-07 TASK 829        |
|                   |                                     | 32-72442         | 32-07 TASK 831        |
|                   |                                     | 32-72451         | 32-07 TASK 829        |
|                   |                                     | 32-72452         | 32-07 TASK 831        |
|                   |                                     | 32-72531         | 32-07 TASK 894        |
|                   |                                     | 32-72532         | 32-07 TASK 895        |
|                   |                                     | 32-72570         | 32-62 TASK 804        |
|                   |                                     | 32-72580         | 32-62 TASK 804        |
|                   |                                     | 32-72590         | 32-62 TASK 804        |
|                   |                                     | 32-72600         | 32-62 TASK 804        |
|                   |                                     | 32-72610         | 32-62 TASK 804        |
|                   |                                     | 32-72620         | 32-62 TASK 812        |
|                   |                                     | 32-72630         | 32-62 TASK 812        |
|                   |                                     | 32-72640         | 32-62 TASK 812        |
|                   |                                     | 32-72650         | 32-62 TASK 812        |
|                   |                                     | 32-72660         | 32-62 TASK 812        |
|                   |                                     | 32-72670         | 32-62 TASK 812        |
|                   |                                     | 32-72680         | 32-62 TASK 812        |
|                   |                                     | 32-72690         | 32-62 TASK 812        |
|                   |                                     | 32-72700         | 32-62 TASK 812        |
|                   |                                     | 32-72710         | 32-62 TASK 812        |
|                   |                                     | 32-72730         | 32-62 TASK 818        |
|                   |                                     | 32-72740         | 32-62 TASK 818        |
|                   |                                     | 32-72750         | 32-62 TASK 818        |
|                   |                                     | 32-72760         | 32-62 TASK 809        |
|                   |                                     | 32-72770         | 32-62 TASK 810        |
|                   |                                     | 32-72780         | 32-62 TASK 821        |
|                   |                                     | 32-72790         | 32-62 TASK 821        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 315 061 01        | CONFIG WARNING SYS (EICAS ADVISORY) | (continued)      |                       |
|                   |                                     | 32-72800         | 32-62 TASK 821        |
|                   |                                     | 32-72810         | 32-62 TASK 822        |
|                   |                                     | 32-72820         | 32-62 TASK 822        |
|                   |                                     | 32-72830         | 32-62 TASK 818        |
|                   |                                     | 32-72840         | 32-62 TASK 818        |
|                   |                                     | 32-72850         | 32-62 TASK 818        |
|                   |                                     | 32-72860         | 32-62 TASK 809        |
|                   |                                     | 32-72870         | 32-62 TASK 810        |
|                   |                                     | 32-73491         | 32-07 TASK 912        |
|                   |                                     | 32-73492         | 32-07 TASK 913        |
|                   |                                     | 32-73511         | 32-07 TASK 912        |
|                   |                                     | 32-73512         | 32-07 TASK 913        |
|                   |                                     | 32-78842         | 32-06 TASK 802        |
|                   |                                     | 32-78864         | 32-06 TASK 804        |
|                   |                                     | 34-25101         | 34-11 TASK 801        |
|                   |                                     | 34-25102         | 34-11 TASK 802        |
|                   |                                     | 34-25103         | 34-11 TASK 803        |
|                   |                                     | 34-25201         | 34-11 TASK 804        |
|                   |                                     | 34-25202         | 34-11 TASK 805        |
|                   |                                     | 34-25203         | 34-11 TASK 806        |
|                   |                                     | 34-25601         | 34-21 TASK 808        |
|                   |                                     | 34-25603         | 34-21 TASK 885        |
|                   |                                     | 34-26101         | 34-21 TASK 810        |
|                   |                                     | 34-26102         | 34-21 TASK 839        |
|                   |                                     | 34-26103         | 34-21 TASK 840        |
|                   |                                     | 34-26201         | 34-21 TASK 843        |
|                   |                                     | 34-26202         | 34-21 TASK 844        |
|                   |                                     | 34-26203         | 34-21 TASK 845        |
|                   |                                     | 34-28801         | 34-21 TASK 848        |
|                   |                                     | 34-28810         | 34-21 TASK 849        |
|                   |                                     | 34-28813         | 34-21 TASK 813        |
|                   |                                     | 34-28816         | 34-21 TASK 814        |
|                   |                                     | 34-28824         | 34-21 TASK 850        |
|                   |                                     | 34-28827         | 34-21 TASK 851        |
|                   |                                     | 34-28830         | 34-21 TASK 852        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 315 061 01        | CONFIG WARNING SYS (EICAS ADVISORY) | (continued)      |                       |
|                   |                                     | 34-28835         | 34-21 TASK 853        |
|                   |                                     | 34-28838         | 34-21 TASK 854        |
|                   |                                     | 34-29101         | 34-21 TASK 893        |
|                   |                                     | 34-29102         | 34-21 TASK 815        |
|                   |                                     | 34-29105         | 34-21 TASK 816        |
|                   |                                     | 34-29107         | 34-21 TASK 817        |
|                   |                                     | 34-29115         | 34-21 TASK 857        |
|                   |                                     | 34-29120         | 34-21 TASK 894        |
|                   |                                     | 34-29201         | 34-21 TASK 858        |
|                   |                                     | 34-29202         | 34-21 TASK 859        |
|                   |                                     | 34-29204         | 34-21 TASK 860        |
|                   |                                     | 34-29216         | 34-21 TASK 862        |
|                   |                                     | 34-29301         | 34-21 TASK 895        |
|                   |                                     | 34-29303         | 34-21 TASK 864        |
|                   |                                     | 34-29306         | 34-21 TASK 865        |
|                   |                                     | 34-29308         | 34-21 TASK 866        |
|                   |                                     | 34-29317         | 34-21 TASK 869        |
|                   |                                     | 34-29320         | 34-21 TASK 896        |
|                   |                                     | 34-30700         | 34-21 TASK 870        |
|                   |                                     | 34-30711         | 34-21 TASK 818        |
|                   |                                     | 34-30712         | 34-21 TASK 871        |
|                   |                                     | 34-30713         | 34-21 TASK 872        |
|                   |                                     | 34-30760         | 34-21 TASK 819        |
|                   |                                     | 34-31601         | 34-21 TASK 821        |
|                   |                                     | 34-32601         | 34-21 TASK 822        |
|                   |                                     | 34-34603         | 34-21 TASK 887        |
|                   |                                     | 34-35603         | 34-21 TASK 888        |
|                   |                                     | 34-38310         | 34-21 TASK 819        |
|                   |                                     | 34-38801         | 34-21 TASK 874        |
|                   |                                     | 34-38820         | 34-21 TASK 898        |
|                   |                                     | 34-39101         | 34-21 TASK 825        |
|                   |                                     | 34-39103         | 34-21 TASK 826        |
|                   |                                     | 34-39106         | 34-21 TASK 827        |
|                   |                                     | 34-39111         | 34-21 TASK 828        |
|                   |                                     | 34-39201         | 34-21 TASK 871        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 315 061 01        | CONFIG WARNING SYS (EICAS ADVISORY) | (continued)      |                       |
|                   |                                     | 34-39204         | 34-21 TASK 876        |
|                   |                                     | 34-39207         | 34-21 TASK 877        |
|                   |                                     | 34-39301         | 34-21 TASK 879        |
|                   |                                     | 34-39305         | 34-21 TASK 880        |
|                   |                                     | 34-39308         | 34-21 TASK 881        |
|                   |                                     | 34-39312         | 34-21 TASK 882        |
|                   |                                     | 34-42011         | 34-33 TASK 801        |
|                   |                                     | 34-42012         | 34-33 TASK 801        |
|                   |                                     | 34-42013         | 34-33 TASK 801        |
|                   |                                     | 34-42021         | 34-33 TASK 802        |
|                   |                                     | 34-42022         | 34-33 TASK 812        |
|                   |                                     | 34-42023         | 34-33 TASK 813        |
|                   |                                     | 34-42031         | 34-33 TASK 814        |
|                   |                                     | 34-42032         | 34-33 TASK 815        |
|                   |                                     | 34-42033         | 34-33 TASK 816        |
|                   |                                     | 34-42801         | 34-33 TASK 801        |
|                   |                                     | 34-42802         | 34-33 TASK 801        |
|                   |                                     | 34-42803         | 34-33 TASK 801        |
|                   |                                     | 34-42891         | 34-33 TASK 803        |
|                   |                                     | 34-42892         | 34-33 TASK 804        |
|                   |                                     | 34-42893         | 34-33 TASK 805        |
|                   |                                     | 34-46891         | 34-46 TASK 803        |
|                   |                                     | 34-71011         | 34-61 TASK 905        |
|                   |                                     | 34-71012         | 34-61 TASK 906        |
|                   |                                     | 34-71060         | 34-90 TASK 801        |
|                   |                                     | 52-11240         | 52-34 TASK 806        |
|                   |                                     | 52-11270         | 52-34 TASK 806        |
|                   |                                     | 52-11500         | 52-34 TASK 807        |
|                   |                                     | 52-11510         | 52-34 TASK 808        |
|                   |                                     | 52-11520         | 52-35 TASK 806        |
|                   |                                     | 52-11530         | 52-35 TASK 807        |
|                   |                                     | 52-11540         | 52-34 TASK 809        |
|                   |                                     | 52-11930         | 52-35 TASK 823        |
|                   |                                     | 52-11970         | 52-35 TASK 808        |
|                   |                                     | 52-11980         | 52-35 TASK 808        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 315 061 01        | CONFIG WARNING SYS (EICAS ADVISORY) | (continued)      |                       |
|                   |                                     | 52-12320         | 52-34 TASK 811        |
|                   |                                     | 52-12330         | 52-34 TASK 811        |
|                   |                                     | 52-12340         | 52-34 TASK 811        |
|                   |                                     | 52-21240         | 52-34 TASK 835        |
|                   |                                     | 52-21270         | 52-34 TASK 835        |
|                   |                                     | 52-21500         | 52-34 TASK 836        |
|                   |                                     | 52-21510         | 52-34 TASK 837        |
|                   |                                     | 52-21520         | 52-35 TASK 829        |
|                   |                                     | 52-21530         | 52-35 TASK 830        |
|                   |                                     | 52-21540         | 52-34 TASK 838        |
|                   |                                     | 52-21740         | 52-11 TASK 831        |
|                   |                                     | 52-21750         | 52-11 TASK 832        |
|                   |                                     | 52-21760         | 52-11 TASK 832        |
|                   |                                     | 52-21770         | 52-11 TASK 850        |
|                   |                                     | 52-21780         | 52-11 TASK 850        |
|                   |                                     | 52-21790         | 52-11 TASK 850        |
|                   |                                     | 52-21795         | 52-11 TASK 850        |
|                   |                                     | 52-21800         | 52-11 TASK 850        |
|                   |                                     | 52-21805         | 52-11 TASK 850        |
|                   |                                     | 52-21810         | 52-11 TASK 850        |
|                   |                                     | 52-21820         | 52-11 TASK 850        |
|                   |                                     | 52-21830         | 52-11 TASK 848        |
|                   |                                     | 52-21840         | 52-11 TASK 848        |
|                   |                                     | 52-21850         | 52-11 TASK 848        |
|                   |                                     | 52-21860         | 52-11 TASK 831        |
|                   |                                     | 52-21870         | 52-11 TASK 848        |
|                   |                                     | 52-21880         | 52-11 TASK 848        |
|                   |                                     | 52-21890         | 52-11 TASK 848        |
|                   |                                     | 52-21930         | 52-35 TASK 831        |
|                   |                                     | 52-21970         | 52-35 TASK 832        |
|                   |                                     | 52-21980         | 52-35 TASK 832        |
|                   |                                     | 52-21990         | 52-11 TASK 833        |
|                   |                                     | 52-22020         | 52-11 TASK 833        |
|                   |                                     | 52-22030         | 52-11 TASK 833        |
|                   |                                     | 52-22060         | 52-11 TASK 833        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 315 061 01        | CONFIG WARNING SYS (EICAS ADVISORY) | (continued)      |                       |
|                   |                                     | 52-22070         | 52-11 TASK 852        |
|                   |                                     | 52-22100         | 52-11 TASK 852        |
|                   |                                     | 52-22110         | 52-11 TASK 852        |
|                   |                                     | 52-22140         | 52-11 TASK 852        |
|                   |                                     | 52-22150         | 52-11 TASK 852        |
|                   |                                     | 52-22180         | 52-11 TASK 852        |
|                   |                                     | 52-22190         | 52-11 TASK 852        |
|                   |                                     | 52-22220         | 52-11 TASK 852        |
|                   |                                     | 52-22230         | 52-11 TASK 852        |
|                   |                                     | 52-22260         | 52-11 TASK 852        |
|                   |                                     | 52-22270         | 52-11 TASK 850        |
|                   |                                     | 52-22300         | 52-11 TASK 852        |
|                   |                                     | 52-22320         | 52-34 TASK 839        |
|                   |                                     | 52-22330         | 52-34 TASK 839        |
|                   |                                     | 52-22340         | 52-34 TASK 839        |
|                   |                                     | 73-03031         | 73-26 TASK 803        |
|                   |                                     | 73-03032         | 73-26 TASK 804        |
|                   |                                     | 73-03061         | 73-26 TASK 807        |
|                   |                                     | 73-03232         | 73-26 TASK 836        |
|                   |                                     | 73-03261         | 73-26 TASK 847        |
|                   |                                     | 73-03262         | 73-26 TASK 848        |
|                   |                                     | 73-08801         | 73-27 TASK 805        |
|                   |                                     | 73-08802         | 73-27 TASK 805        |
|                   |                                     | 73-08803         | 73-27 TASK 810        |
|                   |                                     | 73-08804         | 73-27 TASK 810        |
|                   |                                     | 73-08805         | 73-27 TASK 810        |
|                   |                                     | 73-08806         | 73-27 TASK 810        |
|                   |                                     | 73-08807         | 73-27 TASK 810        |
|                   |                                     | 73-08808         | 73-27 TASK 810        |
|                   |                                     | 73-08841         | 73-27 TASK 806        |
|                   |                                     | 73-08843         | 73-27 TASK 806        |
|                   |                                     | 73-08851         | 73-27 TASK 806        |
|                   |                                     | 73-08854         | 73-27 TASK 807        |
|                   |                                     | 73-08855         | 73-27 TASK 806        |
|                   |                                     | 73-08856         | 73-27 TASK 807        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 315 061 01        | CONFIG WARNING SYS (EICAS ADVISORY) | (continued)      |                       |
|                   |                                     | 73-08862         | 73-27 TASK 807        |
|                   |                                     | 73-08864         | 73-27 TASK 807        |
|                   |                                     | 73-08872         | 73-27 TASK 807        |
|                   |                                     | 73-08873         | 73-27 TASK 806        |
|                   |                                     | 73-08875         | 73-27 TASK 806        |
|                   |                                     | 73-08876         | 73-27 TASK 807        |
|                   |                                     | 73-09401         | 73-27 TASK 808        |
|                   |                                     | 73-09403         | 73-27 TASK 808        |
|                   |                                     | 73-09501         | 73-27 TASK 808        |
|                   |                                     | 73-09504         | 73-27 TASK 809        |
|                   |                                     | 73-09505         | 73-27 TASK 808        |
|                   |                                     | 73-09506         | 73-27 TASK 809        |
|                   |                                     | 73-09602         | 73-27 TASK 809        |
|                   |                                     | 73-09604         | 73-27 TASK 809        |
|                   |                                     | 73-09702         | 73-27 TASK 809        |
|                   |                                     | 73-09703         | 73-27 TASK 808        |
|                   |                                     | 73-09705         | 73-27 TASK 808        |
|                   |                                     | 73-09706         | 73-27 TASK 809        |
|                   |                                     | 73-13111         | 73-21 TASK 842        |
|                   |                                     | 73-13112         | 73-21 TASK 842        |
|                   |                                     | 73-23111         | 73-21 TASK 842        |
|                   |                                     | 73-23112         | 73-21 TASK 842        |
|                   |                                     | 76-15211         | 76-11 TASK 807        |
|                   |                                     | 76-15212         | 76-11 TASK 807        |
|                   |                                     | 76-25211         | 76-11 TASK 808        |
|                   |                                     | 76-25212         | 76-11 TASK 808        |
| 315 062 01        | CONFIG WARNING SYS (EICAS STATUS)   | 21-16205         | 21-25 TASK 823        |
|                   |                                     | 22-18804         | 22-18 TASK 801        |
|                   |                                     | 22-18894         | 22-18 TASK 804        |
|                   |                                     | 22-18895         | 22-18 TASK 805        |
|                   |                                     | 23-81001         | 23-91 TASK 801        |
|                   |                                     | 23-81002         | 23-91 TASK 802        |
|                   |                                     | 23-81003         | 23-91 TASK 803        |
|                   |                                     | 23-81004         | 23-91 TASK 804        |
|                   |                                     | 23-81005         | 23-91 TASK 805        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 315 062 01        | CONFIG WARNING SYS (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 23-81006         | 23-91 TASK 806        |
|                   |                                   | 23-81007         | 23-91 TASK 807        |
|                   |                                   | 24-11780         | 24-53 TASK 805        |
|                   |                                   | 24-11781         | 24-51 TASK 837        |
|                   |                                   | 24-11784         | 24-51 TASK 836        |
|                   |                                   | 24-11786         | 24-51 TASK 833        |
|                   |                                   | 24-11787         | 24-32 TASK 817        |
|                   |                                   | 24-11790         | 24-08 TASK 833        |
|                   |                                   | 24-11793         | 24-08 TASK 834        |
|                   |                                   | 24-11795         | 24-08 TASK 804        |
|                   |                                   | 24-11796         | 24-08 TASK 804        |
|                   |                                   | 24-12051         | 24-32 TASK 819        |
|                   |                                   | 24-12056         | 24-32 TASK 820        |
|                   |                                   | 24-12057         | 24-08 TASK 836        |
|                   |                                   | 24-12122         | 24-08 TASK 835        |
|                   |                                   | 24-12124         | 24-51 TASK 840        |
|                   |                                   | 24-12125         | 24-51 TASK 841        |
|                   |                                   | 24-12126         | 24-51 TASK 841        |
|                   |                                   | 24-12127         | 24-51 TASK 842        |
|                   |                                   | 24-12800         | 24-08 TASK 805        |
|                   |                                   | 24-12801         | 24-08 TASK 805        |
|                   |                                   | 24-13801         | 24-61 TASK 805        |
|                   |                                   | 24-13814         | 24-33 TASK 817        |
|                   |                                   | 24-13815         | 24-61 TASK 806        |
|                   |                                   | 24-13816         | 24-32 TASK 831        |
|                   |                                   | 24-13817         | 24-33 TASK 818        |
|                   |                                   | 24-13818         | 24-53 TASK 807        |
|                   |                                   | 24-18801         | 24-09 TASK 806        |
|                   |                                   | 24-18802         | 24-09 TASK 807        |
|                   |                                   | 24-78841         | 24-08 TASK 860        |
|                   |                                   | 24-78842         | 24-08 TASK 862        |
|                   |                                   | 24-78861         | 24-08 TASK 861        |
|                   |                                   | 24-78862         | 24-08 TASK 863        |
|                   |                                   | 27-10802         | 27-21 TASK 805        |
|                   |                                   | 27-11000         | 27-41 TASK 807        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 315 062 01        | CONFIG WARNING SYS (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 27-11001         | 27-41 TASK 810        |
|                   |                                   | 27-11002         | 27-41 TASK 811        |
|                   |                                   | 27-11003         | 27-41 TASK 820        |
|                   |                                   | 27-11004         | 27-41 TASK 837        |
|                   |                                   | 27-11005         | 27-41 TASK 838        |
|                   |                                   | 27-11006         | 27-41 TASK 808        |
|                   |                                   | 27-11416         | 27-21 TASK 840        |
|                   |                                   | 27-12300         | 27-61 TASK 816        |
|                   |                                   | 27-12301         | 27-61 TASK 835        |
|                   |                                   | 27-12302         | 27-61 TASK 836        |
|                   |                                   | 27-12303         | 27-61 TASK 837        |
|                   |                                   | 27-12304         | 27-61 TASK 817        |
|                   |                                   | 27-12305         | 27-61 TASK 838        |
|                   |                                   | 27-12306         | 27-61 TASK 839        |
|                   |                                   | 27-12307         | 27-61 TASK 840        |
|                   |                                   | 27-12308         | 27-61 TASK 818        |
|                   |                                   | 27-13000         | 27-02 TASK 880        |
|                   |                                   | 27-13001         | 27-02 TASK 881        |
|                   |                                   | 27-13002         | 27-02 TASK 808        |
|                   |                                   | 27-13003         | 27-02 TASK 809        |
|                   |                                   | 27-13008         | 27-02 TASK 807        |
|                   |                                   | 27-13009         | 27-02 TASK 877        |
|                   |                                   | 27-13010         | 27-02 TASK 878        |
|                   |                                   | 27-13011         | 27-02 TASK 879        |
|                   |                                   | 27-13020         | 27-02 TASK 818        |
|                   |                                   | 27-13022         | 27-02 TASK 829        |
|                   |                                   | 27-13023         | 27-02 TASK 830        |
|                   |                                   | 27-13024         | 27-02 TASK 831        |
|                   |                                   | 27-13027         | 27-02 TASK 833        |
|                   |                                   | 27-13028         | 27-02 TASK 834        |
|                   |                                   | 27-13029         | 27-02 TASK 820        |
|                   |                                   | 27-13030         | 27-02 TASK 835        |
|                   |                                   | 27-13031         | 27-02 TASK 836        |
|                   |                                   | 27-13046         | 27-02 TASK 805        |
|                   |                                   | 27-13048         | 27-02 TASK 863        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 315 062 01        | CONFIG WARNING SYS (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 27-13049         | 27-02 TASK 864        |
|                   |                                   | 27-14018         | 27-02 TASK 813        |
|                   |                                   | 27-14019         | 27-02 TASK 941        |
|                   |                                   | 27-14020         | 27-02 TASK 942        |
|                   |                                   | 27-14025         | 27-02 TASK 943        |
|                   |                                   | 27-14026         | 27-02 TASK 944        |
|                   |                                   | 27-14027         | 27-02 TASK 945        |
|                   |                                   | 27-14030         | 27-02 TASK 905        |
|                   |                                   | 27-14031         | 27-02 TASK 906        |
|                   |                                   | 27-14032         | 27-02 TASK 907        |
|                   |                                   | 27-14033         | 27-02 TASK 908        |
|                   |                                   | 27-15009         | 27-02 TASK 802        |
|                   |                                   | 27-15010         | 27-02 TASK 849        |
|                   |                                   | 27-15011         | 27-02 TASK 850        |
|                   |                                   | 27-15012         | 27-02 TASK 851        |
|                   |                                   | 27-15100         | 27-02 TASK 946        |
|                   |                                   | 27-15101         | 27-02 TASK 947        |
|                   |                                   | 27-15102         | 27-02 TASK 948        |
|                   |                                   | 27-18811         | 27-02 TASK 901        |
|                   |                                   | 27-18822         | 27-02 TASK 919        |
|                   |                                   | 27-18833         | 27-02 TASK 920        |
|                   |                                   | 27-19101         | 27-02 TASK 974        |
|                   |                                   | 27-19201         | 27-02 TASK 979        |
|                   |                                   | 27-19301         | 27-02 TASK 983        |
|                   |                                   | 27-20251         | 27-51 TASK 863        |
|                   |                                   | 27-20252         | 27-52 TASK 809        |
|                   |                                   | 27-20261         | 27-51 TASK 809        |
|                   |                                   | 27-20262         | 27-52 TASK 810        |
|                   |                                   | 27-20271         | 27-51 TASK 810        |
|                   |                                   | 27-20272         | 27-52 TASK 811        |
|                   |                                   | 27-20691         | 27-51 TASK 811        |
|                   |                                   | 27-20692         | 27-52 TASK 812        |
|                   |                                   | 27-20701         | 27-51 TASK 812        |
|                   |                                   | 27-20702         | 27-52 TASK 813        |
|                   |                                   | 27-20711         | 27-51 TASK 813        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 315 062 01        | CONFIG WARNING SYS (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 27-20712         | 27-52 TASK 814        |
|                   |                                   | 27-20891         | 27-51 TASK 823        |
|                   |                                   | 27-20892         | 27-52 TASK 826        |
|                   |                                   | 27-21161         | 27-81 TASK 814        |
|                   |                                   | 27-21162         | 27-82 TASK 815        |
|                   |                                   | 27-21171         | 27-81 TASK 815        |
|                   |                                   | 27-21172         | 27-82 TASK 816        |
|                   |                                   | 27-21181         | 27-81 TASK 816        |
|                   |                                   | 27-21182         | 27-82 TASK 817        |
|                   |                                   | 27-21241         | 27-51 TASK 838        |
|                   |                                   | 27-21242         | 27-52 TASK 832        |
|                   |                                   | 27-28801         | 27-51 TASK 841        |
|                   |                                   | 27-28802         | 27-52 TASK 835        |
|                   |                                   | 27-28841         | 27-51 TASK 842        |
|                   |                                   | 27-28851         | 27-51 TASK 869        |
|                   |                                   | 27-28852         | 27-52 TASK 837        |
|                   |                                   | 27-28862         | 27-52 TASK 836        |
|                   |                                   | 28-18801         | 28-41 TASK 801        |
|                   |                                   | 28-18840         | 28-41 TASK 802        |
|                   |                                   | 28-18860         | 28-41 TASK 803        |
|                   |                                   | 28-20005         | 28-41 TASK 802        |
|                   |                                   | 28-20006         | 28-41 TASK 803        |
|                   |                                   | 28-20021         | 28-41 TASK 804        |
|                   |                                   | 28-20036         | 28-41 TASK 804        |
|                   |                                   | 28-20049         | 28-41 TASK 812        |
|                   |                                   | 28-20050         | 28-41 TASK 801        |
|                   |                                   | 28-20056         | 28-41 TASK 804        |
|                   |                                   | 28-20057         | 28-41 TASK 804        |
|                   |                                   | 28-20100         | 28-41 TASK 814        |
|                   |                                   | 28-20101         | 28-41 TASK 815        |
|                   |                                   | 28-20104         | 28-41 TASK 804        |
|                   |                                   | 28-20105         | 28-41 TASK 804        |
|                   |                                   | 28-20148         | 28-41 TASK 821        |
|                   |                                   | 28-20149         | 28-41 TASK 816        |
|                   |                                   | 28-20150         | 28-41 TASK 822        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 315 062 01        | CONFIG WARNING SYS (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 28-20303         | 28-41 TASK 828        |
|                   |                                   | 28-28010         | 28-41 TASK 823        |
|                   |                                   | 28-29401         | 28-41 TASK 802        |
|                   |                                   | 28-29601         | 28-41 TASK 803        |
|                   |                                   | 30-36121         | 30-31 TASK 801        |
|                   |                                   | 30-36122         | 30-31 TASK 802        |
|                   |                                   | 30-36123         | 30-31 TASK 803        |
|                   |                                   | 30-36421         | 30-31 TASK 804        |
|                   |                                   | 30-36423         | 30-31 TASK 805        |
|                   |                                   | 30-36521         | 30-31 TASK 806        |
|                   |                                   | 30-36523         | 30-31 TASK 810        |
|                   |                                   | 30-36641         | 30-31 TASK 807        |
|                   |                                   | 30-36642         | 30-31 TASK 808        |
|                   |                                   | 30-36643         | 30-31 TASK 809        |
|                   |                                   | 31-50007         | 31-44 TASK 821        |
|                   |                                   | 31-50008         | 31-44 TASK 822        |
|                   |                                   | 31-50011         | 31-44 TASK 801        |
|                   |                                   | 31-50012         | 31-44 TASK 802        |
|                   |                                   | 31-50017         | 31-44 TASK 823        |
|                   |                                   | 31-50018         | 31-44 TASK 824        |
|                   |                                   | 31-50027         | 31-44 TASK 825        |
|                   |                                   | 31-50028         | 31-44 TASK 826        |
|                   |                                   | 31-50091         | 31-44 TASK 819        |
|                   |                                   | 31-50092         | 31-44 TASK 820        |
|                   |                                   | 31-50201         | 31-43 TASK 852        |
|                   |                                   | 31-50202         | 31-43 TASK 853        |
|                   |                                   | 31-50417         | 31-44 TASK 884        |
|                   |                                   | 31-50418         | 31-44 TASK 885        |
|                   |                                   | 31-50427         | 31-44 TASK 886        |
|                   |                                   | 31-50428         | 31-44 TASK 887        |
|                   |                                   | 31-50437         | 31-44 TASK 888        |
|                   |                                   | 31-50438         | 31-44 TASK 889        |
|                   |                                   | 31-50447         | 31-44 TASK 890        |
|                   |                                   | 31-50448         | 31-44 TASK 891        |
|                   |                                   | 31-51023         | 31-44 TASK 865        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 315 062 01        | CONFIG WARNING SYS (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 31-51024         | 31-44 TASK 866        |
|                   |                                   | 31-51025         | 31-43 TASK 803        |
|                   |                                   | 31-51026         | 31-43 TASK 804        |
|                   |                                   | 31-51033         | 31-44 TASK 869        |
|                   |                                   | 31-51034         | 31-44 TASK 870        |
|                   |                                   | 31-51043         | 31-44 TASK 871        |
|                   |                                   | 31-51044         | 31-44 TASK 872        |
|                   |                                   | 31-51411         | 34-61 TASK 913        |
|                   |                                   | 31-51412         | 34-61 TASK 914        |
|                   |                                   | 31-51413         | 34-61 TASK 815        |
|                   |                                   | 31-51414         | 34-61 TASK 889        |
|                   |                                   | 31-51421         | 34-61 TASK 888        |
|                   |                                   | 31-51422         | 34-61 TASK 814        |
|                   |                                   | 31-51423         | 34-61 TASK 815        |
|                   |                                   | 31-51424         | 34-61 TASK 889        |
|                   |                                   | 31-51531         | 31-44 TASK 837        |
|                   |                                   | 31-51532         | 31-44 TASK 838        |
|                   |                                   | 31-51533         | 31-44 TASK 839        |
|                   |                                   | 31-51534         | 31-44 TASK 840        |
|                   |                                   | 31-51731         | 31-44 TASK 841        |
|                   |                                   | 31-51732         | 31-44 TASK 842        |
|                   |                                   | 31-51733         | 31-44 TASK 843        |
|                   |                                   | 31-51734         | 31-44 TASK 844        |
|                   |                                   | 31-52013         | 31-43 TASK 866        |
|                   |                                   | 31-52014         | 31-43 TASK 867        |
|                   |                                   | 31-52101         | 31-41 TASK 817        |
|                   |                                   | 31-52112         | 31-41 TASK 820        |
|                   |                                   | 31-52121         | 31-41 TASK 821        |
|                   |                                   | 31-52122         | 31-41 TASK 822        |
|                   |                                   | 31-52601         | 31-41 TASK 832        |
|                   |                                   | 31-52602         | 31-41 TASK 833        |
|                   |                                   | 31-54013         | 31-43 TASK 868        |
|                   |                                   | 31-54014         | 31-43 TASK 869        |
|                   |                                   | 31-54101         | 31-41 TASK 834        |
|                   |                                   | 31-54102         | 31-41 TASK 835        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 315 062 01        | CONFIG WARNING SYS (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 31-54121         | 31-41 TASK 838        |
|                   |                                   | 31-54122         | 31-41 TASK 839        |
|                   |                                   | 31-54601         | 31-41 TASK 840        |
|                   |                                   | 31-54602         | 31-41 TASK 841        |
|                   |                                   | 31-55401         | 31-41 TASK 840        |
|                   |                                   | 31-55402         | 31-41 TASK 841        |
|                   |                                   | 31-56013         | 31-43 TASK 870        |
|                   |                                   | 31-56014         | 31-43 TASK 871        |
|                   |                                   | 31-56102         | 31-41 TASK 845        |
|                   |                                   | 31-56104         | 31-45 TASK 811        |
|                   |                                   | 31-56111         | 31-41 TASK 846        |
|                   |                                   | 31-56121         | 31-41 TASK 848        |
|                   |                                   | 31-56122         | 31-41 TASK 849        |
|                   |                                   | 31-56601         | 31-41 TASK 842        |
|                   |                                   | 31-56602         | 31-41 TASK 843        |
|                   |                                   | 31-58013         | 31-43 TASK 872        |
|                   |                                   | 31-58014         | 31-43 TASK 873        |
|                   |                                   | 31-58101         | 31-41 TASK 852        |
|                   |                                   | 31-58102         | 31-41 TASK 853        |
|                   |                                   | 31-58121         | 31-41 TASK 856        |
|                   |                                   | 31-58122         | 31-41 TASK 857        |
|                   |                                   | 31-58601         | 31-41 TASK 992        |
|                   |                                   | 31-58602         | 31-41 TASK 993        |
|                   |                                   | 31-59401         | 31-41 TASK 992        |
|                   |                                   | 31-59402         | 31-41 TASK 993        |
|                   |                                   | 31-61011         | 31-43 TASK 861        |
|                   |                                   | 31-61012         | 31-43 TASK 862        |
|                   |                                   | 31-61020         | 31-43 TASK 863        |
|                   |                                   | 31-61031         | 31-41 TASK 862        |
|                   |                                   | 31-61032         | 31-41 TASK 891        |
|                   |                                   | 31-61041         | 31-43 TASK 835        |
|                   |                                   | 31-61042         | 31-43 TASK 836        |
|                   |                                   | 31-61051         | 31-43 TASK 837        |
|                   |                                   | 31-61052         | 31-43 TASK 838        |
|                   |                                   | 31-61061         | 31-43 TASK 839        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 315 062 01        | CONFIG WARNING SYS (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 31-61062         | 31-43 TASK 840        |
|                   |                                   | 31-61071         | 31-43 TASK 841        |
|                   |                                   | 31-61072         | 31-43 TASK 842        |
|                   |                                   | 31-61111         | 31-43 TASK 856        |
|                   |                                   | 31-61112         | 31-43 TASK 856        |
|                   |                                   | 31-61113         | 31-43 TASK 856        |
|                   |                                   | 31-61114         | 31-43 TASK 856        |
|                   |                                   | 31-61115         | 31-43 TASK 856        |
|                   |                                   | 31-61116         | 31-43 TASK 856        |
|                   |                                   | 31-61117         | 31-43 TASK 856        |
|                   |                                   | 31-61118         | 31-43 TASK 856        |
|                   |                                   | 31-62031         | 31-43 TASK 846        |
|                   |                                   | 31-62032         | 31-43 TASK 847        |
|                   |                                   | 31-62041         | 31-43 TASK 848        |
|                   |                                   | 31-62042         | 31-43 TASK 849        |
|                   |                                   | 31-68801         | 31-43 TASK 892        |
|                   |                                   | 31-68802         | 31-43 TASK 893        |
|                   |                                   | 31-68811         | 31-42 TASK 908        |
|                   |                                   | 31-68832         | 31-42 TASK 908        |
|                   |                                   | 31-69101         | 31-42 TASK 801        |
|                   |                                   | 31-69102         | 31-42 TASK 801        |
|                   |                                   | 31-69107         | 31-42 TASK 804        |
|                   |                                   | 31-69108         | 31-42 TASK 804        |
|                   |                                   | 31-69117         | 31-42 TASK 806        |
|                   |                                   | 31-69118         | 31-42 TASK 806        |
|                   |                                   | 31-69201         | 31-42 TASK 809        |
|                   |                                   | 31-69202         | 31-42 TASK 809        |
|                   |                                   | 31-69209         | 31-42 TASK 812        |
|                   |                                   | 31-69210         | 31-42 TASK 812        |
|                   |                                   | 31-69219         | 31-42 TASK 814        |
|                   |                                   | 31-69220         | 31-42 TASK 814        |
|                   |                                   | 31-69301         | 31-42 TASK 817        |
|                   |                                   | 31-69302         | 31-42 TASK 817        |
|                   |                                   | 31-69311         | 31-42 TASK 820        |
|                   |                                   | 31-69312         | 31-42 TASK 820        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 315 062 01        | CONFIG WARNING SYS (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 31-69317         | 31-42 TASK 822        |
|                   |                                   | 31-69318         | 31-42 TASK 822        |
|                   |                                   | 31-69401         | 31-42 TASK 825        |
|                   |                                   | 31-69402         | 31-42 TASK 825        |
|                   |                                   | 31-69433         | 31-42 TASK 838        |
|                   |                                   | 31-69434         | 31-42 TASK 838        |
|                   |                                   | 31-69437         | 31-42 TASK 839        |
|                   |                                   | 31-69438         | 31-42 TASK 839        |
|                   |                                   | 31-69469         | 31-42 TASK 850        |
|                   |                                   | 31-69470         | 31-42 TASK 850        |
|                   |                                   | 31-69471         | 31-42 TASK 850        |
|                   |                                   | 31-69472         | 31-42 TASK 850        |
|                   |                                   | 31-69496         | 31-42 TASK 915        |
|                   |                                   | 31-69497         | 31-42 TASK 915        |
|                   |                                   | 31-69501         | 31-42 TASK 852        |
|                   |                                   | 31-69502         | 31-42 TASK 852        |
|                   |                                   | 31-69533         | 31-42 TASK 854        |
|                   |                                   | 31-69534         | 31-42 TASK 854        |
|                   |                                   | 31-69535         | 31-42 TASK 854        |
|                   |                                   | 31-69536         | 31-42 TASK 854        |
|                   |                                   | 31-69569         | 31-42 TASK 856        |
|                   |                                   | 31-69570         | 31-42 TASK 856        |
|                   |                                   | 31-69573         | 31-42 TASK 856        |
|                   |                                   | 31-69574         | 31-42 TASK 856        |
|                   |                                   | 31-69577         | 31-42 TASK 856        |
|                   |                                   | 31-69578         | 31-42 TASK 856        |
|                   |                                   | 31-69579         | 31-42 TASK 856        |
|                   |                                   | 31-69580         | 31-42 TASK 856        |
|                   |                                   | 31-69601         | 31-42 TASK 857        |
|                   |                                   | 31-69602         | 31-42 TASK 857        |
|                   |                                   | 31-69635         | 31-42 TASK 868        |
|                   |                                   | 31-69636         | 31-42 TASK 868        |
|                   |                                   | 31-69637         | 31-42 TASK 869        |
|                   |                                   | 31-69638         | 31-42 TASK 869        |
|                   |                                   | 31-69675         | 31-42 TASK 877        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 315 062 01        | CONFIG WARNING SYS (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 31-69676         | 31-42 TASK 877        |
|                   |                                   | 31-69677         | 31-42 TASK 877        |
|                   |                                   | 31-69678         | 31-42 TASK 877        |
|                   |                                   | 31-69701         | 31-42 TASK 879        |
|                   |                                   | 31-69702         | 31-42 TASK 879        |
|                   |                                   | 31-69771         | 31-42 TASK 880        |
|                   |                                   | 31-69772         | 31-42 TASK 880        |
|                   |                                   | 31-69773         | 31-42 TASK 880        |
|                   |                                   | 31-69774         | 31-42 TASK 880        |
|                   |                                   | 31-69775         | 31-42 TASK 880        |
|                   |                                   | 31-69776         | 31-42 TASK 880        |
|                   |                                   | 31-69779         | 31-42 TASK 880        |
|                   |                                   | 31-69780         | 31-42 TASK 880        |
|                   |                                   | 31-69903         | 31-42 TASK 881        |
|                   |                                   | 31-69904         | 31-42 TASK 881        |
|                   |                                   | 31-69905         | 31-42 TASK 881        |
|                   |                                   | 31-69906         | 31-42 TASK 881        |
|                   |                                   | 31-69965         | 31-42 TASK 897        |
|                   |                                   | 31-69966         | 31-42 TASK 897        |
|                   |                                   | 31-69973         | 31-42 TASK 899        |
|                   |                                   | 31-69974         | 31-42 TASK 899        |
|                   |                                   | 31-69975         | 31-42 TASK 899        |
|                   |                                   | 31-69976         | 31-42 TASK 899        |
|                   |                                   | 31-69977         | 31-42 TASK 899        |
|                   |                                   | 31-69978         | 31-42 TASK 899        |
|                   |                                   | 31-70011         | 31-51 TASK 801        |
|                   |                                   | 31-70012         | 31-51 TASK 821        |
|                   |                                   | 31-70021         | 31-51 TASK 802        |
|                   |                                   | 31-70022         | 31-51 TASK 822        |
|                   |                                   | 31-70035         | 31-51 TASK 963        |
|                   |                                   | 31-70036         | 31-51 TASK 964        |
|                   |                                   | 31-70037         | 31-51 TASK 965        |
|                   |                                   | 31-70038         | 31-51 TASK 966        |
|                   |                                   | 31-72021         | 31-51 TASK 972        |
|                   |                                   | 31-72022         | 31-51 TASK 972        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 315 062 01        | CONFIG WARNING SYS (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 31-72051         | 31-51 TASK 974        |
|                   |                                   | 31-72052         | 31-51 TASK 974        |
|                   |                                   | 31-72061         | 31-51 TASK 975        |
|                   |                                   | 31-72062         | 31-51 TASK 975        |
|                   |                                   | 31-72081         | 31-51 TASK 976        |
|                   |                                   | 31-72082         | 31-51 TASK 976        |
|                   |                                   | 31-72091         | 31-51 TASK 977        |
|                   |                                   | 31-72092         | 31-51 TASK 977        |
|                   |                                   | 31-72111         | 31-51 TASK 978        |
|                   |                                   | 31-72112         | 31-51 TASK 978        |
|                   |                                   | 31-72131         | 31-51 TASK 980        |
|                   |                                   | 31-72132         | 31-51 TASK 980        |
|                   |                                   | 31-72171         | 31-51 TASK 982        |
|                   |                                   | 31-72172         | 31-51 TASK 982        |
|                   |                                   | 31-72181         | 31-51 TASK 983        |
|                   |                                   | 31-72182         | 31-51 TASK 983        |
|                   |                                   | 31-72191         | 31-51 TASK 984        |
|                   |                                   | 31-72192         | 31-51 TASK 984        |
|                   |                                   | 31-72201         | 31-51 TASK 985        |
|                   |                                   | 31-72202         | 31-51 TASK 985        |
|                   |                                   | 31-78071         | 31-51 TASK 906        |
|                   |                                   | 31-78073         | 31-51 TASK 907        |
|                   |                                   | 31-78170         | 31-51 TASK 894        |
|                   |                                   | 31-78171         | 31-51 TASK 937        |
|                   |                                   | 31-78172         | 31-51 TASK 937        |
|                   |                                   | 31-78173         | 31-51 TASK 938        |
|                   |                                   | 31-78174         | 31-51 TASK 938        |
|                   |                                   | 31-78801         | 31-51 TASK 801        |
|                   |                                   | 31-78802         | 31-51 TASK 821        |
|                   |                                   | 31-78891         | 31-51 TASK 828        |
|                   |                                   | 31-78892         | 31-51 TASK 803        |
|                   |                                   | 31-78893         | 31-51 TASK 829        |
|                   |                                   | 31-78894         | 31-51 TASK 830        |
|                   |                                   | 31-79401         | 31-51 TASK 804        |
|                   |                                   | 31-79402         | 31-51 TASK 805        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 315 062 01        | CONFIG WARNING SYS (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 31-79437         | 31-51 TASK 815        |
|                   |                                   | 31-79439         | 31-51 TASK 816        |
|                   |                                   | 31-79457         | 31-51 TASK 834        |
|                   |                                   | 31-79459         | 31-51 TASK 835        |
|                   |                                   | 31-79501         | 31-51 TASK 836        |
|                   |                                   | 31-79502         | 31-51 TASK 837        |
|                   |                                   | 31-79503         | 31-51 TASK 838        |
|                   |                                   | 31-79504         | 31-51 TASK 839        |
|                   |                                   | 31-79537         | 31-51 TASK 852        |
|                   |                                   | 31-79538         | 31-51 TASK 853        |
|                   |                                   | 31-79539         | 31-51 TASK 854        |
|                   |                                   | 31-79540         | 31-51 TASK 855        |
|                   |                                   | 31-79541         | 31-51 TASK 856        |
|                   |                                   | 31-79542         | 31-51 TASK 857        |
|                   |                                   | 31-79543         | 31-51 TASK 858        |
|                   |                                   | 31-79544         | 31-51 TASK 859        |
|                   |                                   | 31-79603         | 31-51 TASK 860        |
|                   |                                   | 31-79604         | 31-51 TASK 861        |
|                   |                                   | 31-79642         | 31-51 TASK 872        |
|                   |                                   | 31-79644         | 31-51 TASK 873        |
|                   |                                   | 31-79658         | 31-51 TASK 880        |
|                   |                                   | 31-79660         | 31-51 TASK 881        |
|                   |                                   | 31-79905         | 31-51 TASK 882        |
|                   |                                   | 31-79906         | 31-51 TASK 883        |
|                   |                                   | 31-79907         | 31-51 TASK 884        |
|                   |                                   | 31-79908         | 31-51 TASK 967        |
|                   |                                   | 31-79909         | 31-51 TASK 885        |
|                   |                                   | 31-79910         | 31-51 TASK 886        |
|                   |                                   | 31-79911         | 31-51 TASK 887        |
|                   |                                   | 31-79912         | 31-51 TASK 888        |
|                   |                                   | 31-79913         | 31-51 TASK 889        |
|                   |                                   | 31-79914         | 31-51 TASK 890        |
|                   |                                   | 31-79915         | 31-51 TASK 943        |
|                   |                                   | 31-79916         | 31-51 TASK 944        |
|                   |                                   | 31-79917         | 31-51 TASK 935        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 315 062 01        | CONFIG WARNING SYS (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 31-79918         | 31-51 TASK 936        |
|                   |                                   | 31-79919         | 31-51 TASK 941        |
|                   |                                   | 31-79920         | 31-51 TASK 942        |
|                   |                                   | 31-89417         | 31-42 TASK 915        |
|                   |                                   | 31-89418         | 31-42 TASK 915        |
|                   |                                   | 31-89617         | 31-42 TASK 916        |
|                   |                                   | 31-89618         | 31-42 TASK 916        |
|                   |                                   | 31-89619         | 31-42 TASK 916        |
|                   |                                   | 31-89620         | 31-42 TASK 916        |
|                   |                                   | 32-71091         | 32-07 TASK 815        |
|                   |                                   | 32-71092         | 32-07 TASK 815        |
|                   |                                   | 32-71131         | 32-07 TASK 811        |
|                   |                                   | 32-71140         | 32-07 TASK 817        |
|                   |                                   | 32-71150         | 32-07 TASK 815        |
|                   |                                   | 32-71220         | 32-07 TASK 815        |
|                   |                                   | 32-71242         | 32-07 TASK 815        |
|                   |                                   | 32-71252         | 32-07 TASK 818        |
|                   |                                   | 32-71262         | 32-07 TASK 813        |
|                   |                                   | 32-71282         | 32-07 TASK 810        |
|                   |                                   | 32-71392         | 32-07 TASK 879        |
|                   |                                   | 32-71561         | 32-07 TASK 811        |
|                   |                                   | 32-71562         | 32-07 TASK 813        |
|                   |                                   | 32-71571         | 32-07 TASK 811        |
|                   |                                   | 32-71572         | 32-07 TASK 813        |
|                   |                                   | 32-71681         | 32-07 TASK 881        |
|                   |                                   | 32-71682         | 32-07 TASK 882        |
|                   |                                   | 32-71720         | 32-62 TASK 801        |
|                   |                                   | 32-71730         | 32-62 TASK 801        |
|                   |                                   | 32-71740         | 32-62 TASK 801        |
|                   |                                   | 32-71750         | 32-62 TASK 801        |
|                   |                                   | 32-71760         | 32-62 TASK 801        |
|                   |                                   | 32-71770         | 32-62 TASK 811        |
|                   |                                   | 32-71780         | 32-62 TASK 811        |
|                   |                                   | 32-71790         | 32-62 TASK 811        |
|                   |                                   | 32-71800         | 32-62 TASK 811        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 315 062 01        | CONFIG WARNING SYS (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 32-71810         | 32-62 TASK 811        |
|                   |                                   | 32-71830         | 32-62 TASK 811        |
|                   |                                   | 32-71840         | 32-62 TASK 811        |
|                   |                                   | 32-71850         | 32-62 TASK 811        |
|                   |                                   | 32-71860         | 32-62 TASK 811        |
|                   |                                   | 32-71870         | 32-62 TASK 811        |
|                   |                                   | 32-71874         | 32-62 TASK 813        |
|                   |                                   | 32-71876         | 32-62 TASK 814        |
|                   |                                   | 32-71880         | 32-62 TASK 817        |
|                   |                                   | 32-71890         | 32-62 TASK 817        |
|                   |                                   | 32-71900         | 32-62 TASK 817        |
|                   |                                   | 32-71910         | 32-62 TASK 807        |
|                   |                                   | 32-71920         | 32-62 TASK 808        |
|                   |                                   | 32-71930         | 32-62 TASK 819        |
|                   |                                   | 32-71940         | 32-62 TASK 819        |
|                   |                                   | 32-71950         | 32-62 TASK 819        |
|                   |                                   | 32-71970         | 32-62 TASK 820        |
|                   |                                   | 32-71980         | 32-62 TASK 817        |
|                   |                                   | 32-71990         | 32-62 TASK 817        |
|                   |                                   | 32-72000         | 32-62 TASK 817        |
|                   |                                   | 32-72010         | 32-62 TASK 807        |
|                   |                                   | 32-72020         | 32-62 TASK 808        |
|                   |                                   | 32-72131         | 32-07 TASK 835        |
|                   |                                   | 32-72132         | 32-07 TASK 835        |
|                   |                                   | 32-72182         | 32-07 TASK 831        |
|                   |                                   | 32-72192         | 32-07 TASK 844        |
|                   |                                   | 32-72202         | 32-07 TASK 835        |
|                   |                                   | 32-72210         | 32-07 TASK 835        |
|                   |                                   | 32-72220         | 32-07 TASK 835        |
|                   |                                   | 32-72250         | 32-07 TASK 835        |
|                   |                                   | 32-72271         | 32-07 TASK 835        |
|                   |                                   | 32-72274         | 32-62 TASK 816        |
|                   |                                   | 32-72276         | 32-62 TASK 815        |
|                   |                                   | 32-72281         | 32-07 TASK 845        |
|                   |                                   | 32-72291         | 32-07 TASK 829        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 315 062 01        | CONFIG WARNING SYS (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 32-72371         | 32-07 TASK 829        |
|                   |                                   | 32-72372         | 32-07 TASK 831        |
|                   |                                   | 32-72381         | 32-07 TASK 829        |
|                   |                                   | 32-72382         | 32-07 TASK 831        |
|                   |                                   | 32-72391         | 32-07 TASK 829        |
|                   |                                   | 32-72392         | 32-07 TASK 831        |
|                   |                                   | 32-72400         | 32-07 TASK 829        |
|                   |                                   | 32-72410         | 32-07 TASK 831        |
|                   |                                   | 32-72441         | 32-07 TASK 829        |
|                   |                                   | 32-72442         | 32-07 TASK 831        |
|                   |                                   | 32-72451         | 32-07 TASK 829        |
|                   |                                   | 32-72452         | 32-07 TASK 831        |
|                   |                                   | 32-72531         | 32-07 TASK 894        |
|                   |                                   | 32-72532         | 32-07 TASK 895        |
|                   |                                   | 32-72570         | 32-62 TASK 804        |
|                   |                                   | 32-72580         | 32-62 TASK 804        |
|                   |                                   | 32-72590         | 32-62 TASK 804        |
|                   |                                   | 32-72600         | 32-62 TASK 804        |
|                   |                                   | 32-72610         | 32-62 TASK 804        |
|                   |                                   | 32-72620         | 32-62 TASK 812        |
|                   |                                   | 32-72630         | 32-62 TASK 812        |
|                   |                                   | 32-72640         | 32-62 TASK 812        |
|                   |                                   | 32-72650         | 32-62 TASK 812        |
|                   |                                   | 32-72660         | 32-62 TASK 812        |
|                   |                                   | 32-72670         | 32-62 TASK 812        |
|                   |                                   | 32-72680         | 32-62 TASK 812        |
|                   |                                   | 32-72690         | 32-62 TASK 812        |
|                   |                                   | 32-72700         | 32-62 TASK 812        |
|                   |                                   | 32-72710         | 32-62 TASK 812        |
|                   |                                   | 32-72730         | 32-62 TASK 818        |
|                   |                                   | 32-72740         | 32-62 TASK 818        |
|                   |                                   | 32-72750         | 32-62 TASK 818        |
|                   |                                   | 32-72760         | 32-62 TASK 809        |
|                   |                                   | 32-72770         | 32-62 TASK 810        |
|                   |                                   | 32-72780         | 32-62 TASK 821        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 315 062 01        | CONFIG WARNING SYS (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 32-72790         | 32-62 TASK 821        |
|                   |                                   | 32-72800         | 32-62 TASK 821        |
|                   |                                   | 32-72810         | 32-62 TASK 822        |
|                   |                                   | 32-72820         | 32-62 TASK 822        |
|                   |                                   | 32-72830         | 32-62 TASK 818        |
|                   |                                   | 32-72840         | 32-62 TASK 818        |
|                   |                                   | 32-72850         | 32-62 TASK 818        |
|                   |                                   | 32-72860         | 32-62 TASK 809        |
|                   |                                   | 32-72870         | 32-62 TASK 810        |
|                   |                                   | 32-73491         | 32-07 TASK 912        |
|                   |                                   | 32-73492         | 32-07 TASK 913        |
|                   |                                   | 32-73511         | 32-07 TASK 912        |
|                   |                                   | 32-73512         | 32-07 TASK 913        |
|                   |                                   | 32-78842         | 32-06 TASK 802        |
|                   |                                   | 32-78864         | 32-06 TASK 804        |
|                   |                                   | 34-25101         | 34-11 TASK 801        |
|                   |                                   | 34-25102         | 34-11 TASK 802        |
|                   |                                   | 34-25103         | 34-11 TASK 803        |
|                   |                                   | 34-25201         | 34-11 TASK 804        |
|                   |                                   | 34-25202         | 34-11 TASK 805        |
|                   |                                   | 34-25203         | 34-11 TASK 806        |
|                   |                                   | 34-25601         | 34-21 TASK 808        |
|                   |                                   | 34-25603         | 34-21 TASK 885        |
|                   |                                   | 34-26101         | 34-21 TASK 810        |
|                   |                                   | 34-26102         | 34-21 TASK 839        |
|                   |                                   | 34-26103         | 34-21 TASK 840        |
|                   |                                   | 34-26201         | 34-21 TASK 843        |
|                   |                                   | 34-26202         | 34-21 TASK 844        |
|                   |                                   | 34-26203         | 34-21 TASK 845        |
|                   |                                   | 34-28801         | 34-21 TASK 848        |
|                   |                                   | 34-28810         | 34-21 TASK 849        |
|                   |                                   | 34-28813         | 34-21 TASK 813        |
|                   |                                   | 34-28816         | 34-21 TASK 814        |
|                   |                                   | 34-28824         | 34-21 TASK 850        |
|                   |                                   | 34-28827         | 34-21 TASK 851        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 315 062 01        | CONFIG WARNING SYS (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 34-28830         | 34-21 TASK 852        |
|                   |                                   | 34-28835         | 34-21 TASK 853        |
|                   |                                   | 34-28838         | 34-21 TASK 854        |
|                   |                                   | 34-29101         | 34-21 TASK 893        |
|                   |                                   | 34-29102         | 34-21 TASK 815        |
|                   |                                   | 34-29105         | 34-21 TASK 816        |
|                   |                                   | 34-29107         | 34-21 TASK 817        |
|                   |                                   | 34-29115         | 34-21 TASK 857        |
|                   |                                   | 34-29120         | 34-21 TASK 894        |
|                   |                                   | 34-29201         | 34-21 TASK 858        |
|                   |                                   | 34-29202         | 34-21 TASK 859        |
|                   |                                   | 34-29204         | 34-21 TASK 860        |
|                   |                                   | 34-29216         | 34-21 TASK 862        |
|                   |                                   | 34-29301         | 34-21 TASK 895        |
|                   |                                   | 34-29303         | 34-21 TASK 864        |
|                   |                                   | 34-29306         | 34-21 TASK 865        |
|                   |                                   | 34-29308         | 34-21 TASK 866        |
|                   |                                   | 34-29317         | 34-21 TASK 869        |
|                   |                                   | 34-29320         | 34-21 TASK 896        |
|                   |                                   | 34-30700         | 34-21 TASK 870        |
|                   |                                   | 34-30711         | 34-21 TASK 818        |
|                   |                                   | 34-30712         | 34-21 TASK 871        |
|                   |                                   | 34-30713         | 34-21 TASK 872        |
|                   |                                   | 34-30760         | 34-21 TASK 819        |
|                   |                                   | 34-31601         | 34-21 TASK 821        |
|                   |                                   | 34-32601         | 34-21 TASK 822        |
|                   |                                   | 34-34603         | 34-21 TASK 887        |
|                   |                                   | 34-35603         | 34-21 TASK 888        |
|                   |                                   | 34-38310         | 34-21 TASK 819        |
|                   |                                   | 34-38801         | 34-21 TASK 874        |
|                   |                                   | 34-38820         | 34-21 TASK 898        |
|                   |                                   | 34-39101         | 34-21 TASK 825        |
|                   |                                   | 34-39103         | 34-21 TASK 826        |
|                   |                                   | 34-39106         | 34-21 TASK 827        |
|                   |                                   | 34-39111         | 34-21 TASK 828        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 315 062 01        | CONFIG WARNING SYS (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 34-39201         | 34-21 TASK 871        |
|                   |                                   | 34-39204         | 34-21 TASK 876        |
|                   |                                   | 34-39207         | 34-21 TASK 877        |
|                   |                                   | 34-39301         | 34-21 TASK 879        |
|                   |                                   | 34-39305         | 34-21 TASK 880        |
|                   |                                   | 34-39308         | 34-21 TASK 881        |
|                   |                                   | 34-39312         | 34-21 TASK 882        |
|                   |                                   | 34-42011         | 34-33 TASK 801        |
|                   |                                   | 34-42012         | 34-33 TASK 801        |
|                   |                                   | 34-42013         | 34-33 TASK 801        |
|                   |                                   | 34-42021         | 34-33 TASK 802        |
|                   |                                   | 34-42022         | 34-33 TASK 812        |
|                   |                                   | 34-42023         | 34-33 TASK 813        |
|                   |                                   | 34-42031         | 34-33 TASK 814        |
|                   |                                   | 34-42032         | 34-33 TASK 815        |
|                   |                                   | 34-42033         | 34-33 TASK 816        |
|                   |                                   | 34-42801         | 34-33 TASK 801        |
|                   |                                   | 34-42802         | 34-33 TASK 801        |
|                   |                                   | 34-42803         | 34-33 TASK 801        |
|                   |                                   | 34-42891         | 34-33 TASK 803        |
|                   |                                   | 34-42892         | 34-33 TASK 804        |
|                   |                                   | 34-42893         | 34-33 TASK 805        |
|                   |                                   | 34-46891         | 34-46 TASK 803        |
|                   |                                   | 34-71011         | 34-61 TASK 905        |
|                   |                                   | 34-71012         | 34-61 TASK 906        |
|                   |                                   | 34-71060         | 34-90 TASK 801        |
|                   |                                   | 52-11240         | 52-34 TASK 806        |
|                   |                                   | 52-11270         | 52-34 TASK 806        |
|                   |                                   | 52-11500         | 52-34 TASK 807        |
|                   |                                   | 52-11510         | 52-34 TASK 808        |
|                   |                                   | 52-11520         | 52-35 TASK 806        |
|                   |                                   | 52-11530         | 52-35 TASK 807        |
|                   |                                   | 52-11540         | 52-34 TASK 809        |
|                   |                                   | 52-11930         | 52-35 TASK 823        |
|                   |                                   | 52-11970         | 52-35 TASK 808        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 315 062 01        | CONFIG WARNING SYS (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 52-11980         | 52-35 TASK 808        |
|                   |                                   | 52-12320         | 52-34 TASK 811        |
|                   |                                   | 52-12330         | 52-34 TASK 811        |
|                   |                                   | 52-12340         | 52-34 TASK 811        |
|                   |                                   | 52-21240         | 52-34 TASK 835        |
|                   |                                   | 52-21270         | 52-34 TASK 835        |
|                   |                                   | 52-21500         | 52-34 TASK 836        |
|                   |                                   | 52-21510         | 52-34 TASK 837        |
|                   |                                   | 52-21520         | 52-35 TASK 829        |
|                   |                                   | 52-21530         | 52-35 TASK 830        |
|                   |                                   | 52-21540         | 52-34 TASK 838        |
|                   |                                   | 52-21740         | 52-11 TASK 831        |
|                   |                                   | 52-21750         | 52-11 TASK 832        |
|                   |                                   | 52-21760         | 52-11 TASK 832        |
|                   |                                   | 52-21770         | 52-11 TASK 850        |
|                   |                                   | 52-21780         | 52-11 TASK 850        |
|                   |                                   | 52-21790         | 52-11 TASK 850        |
|                   |                                   | 52-21795         | 52-11 TASK 850        |
|                   |                                   | 52-21800         | 52-11 TASK 850        |
|                   |                                   | 52-21805         | 52-11 TASK 850        |
|                   |                                   | 52-21810         | 52-11 TASK 850        |
|                   |                                   | 52-21820         | 52-11 TASK 850        |
|                   |                                   | 52-21830         | 52-11 TASK 848        |
|                   |                                   | 52-21840         | 52-11 TASK 848        |
|                   |                                   | 52-21850         | 52-11 TASK 848        |
|                   |                                   | 52-21860         | 52-11 TASK 831        |
|                   |                                   | 52-21870         | 52-11 TASK 848        |
|                   |                                   | 52-21880         | 52-11 TASK 848        |
|                   |                                   | 52-21890         | 52-11 TASK 848        |
|                   |                                   | 52-21930         | 52-35 TASK 831        |
|                   |                                   | 52-21970         | 52-35 TASK 832        |
|                   |                                   | 52-21980         | 52-35 TASK 832        |
|                   |                                   | 52-21990         | 52-11 TASK 833        |
|                   |                                   | 52-22020         | 52-11 TASK 833        |
|                   |                                   | 52-22030         | 52-11 TASK 833        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 315 062 01        | CONFIG WARNING SYS (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 52-22060         | 52-11 TASK 833        |
|                   |                                   | 52-22070         | 52-11 TASK 852        |
|                   |                                   | 52-22100         | 52-11 TASK 852        |
|                   |                                   | 52-22110         | 52-11 TASK 852        |
|                   |                                   | 52-22140         | 52-11 TASK 852        |
|                   |                                   | 52-22150         | 52-11 TASK 852        |
|                   |                                   | 52-22180         | 52-11 TASK 852        |
|                   |                                   | 52-22190         | 52-11 TASK 852        |
|                   |                                   | 52-22220         | 52-11 TASK 852        |
|                   |                                   | 52-22230         | 52-11 TASK 852        |
|                   |                                   | 52-22260         | 52-11 TASK 852        |
|                   |                                   | 52-22270         | 52-11 TASK 850        |
|                   |                                   | 52-22300         | 52-11 TASK 852        |
|                   |                                   | 52-22320         | 52-34 TASK 839        |
|                   |                                   | 52-22330         | 52-34 TASK 839        |
|                   |                                   | 52-22340         | 52-34 TASK 839        |
|                   |                                   | 73-03031         | 73-26 TASK 803        |
|                   |                                   | 73-03032         | 73-26 TASK 804        |
|                   |                                   | 73-03061         | 73-26 TASK 807        |
|                   |                                   | 73-03232         | 73-26 TASK 836        |
|                   |                                   | 73-03261         | 73-26 TASK 847        |
|                   |                                   | 73-03262         | 73-26 TASK 848        |
|                   |                                   | 73-08801         | 73-27 TASK 805        |
|                   |                                   | 73-08802         | 73-27 TASK 805        |
|                   |                                   | 73-08803         | 73-27 TASK 810        |
|                   |                                   | 73-08804         | 73-27 TASK 810        |
|                   |                                   | 73-08805         | 73-27 TASK 810        |
|                   |                                   | 73-08806         | 73-27 TASK 810        |
|                   |                                   | 73-08807         | 73-27 TASK 810        |
|                   |                                   | 73-08808         | 73-27 TASK 810        |
|                   |                                   | 73-08841         | 73-27 TASK 806        |
|                   |                                   | 73-08843         | 73-27 TASK 806        |
|                   |                                   | 73-08851         | 73-27 TASK 806        |
|                   |                                   | 73-08854         | 73-27 TASK 807        |
|                   |                                   | 73-08855         | 73-27 TASK 806        |

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|-------------------|-----------------------------------|------------------|-----------------------|
| 315 062 01        | CONFIG WARNING SYS (EICAS STATUS) | (continued)      |                       |
|                   |                                   | 73-08856         | 73-27 TASK 807        |
|                   |                                   | 73-08862         | 73-27 TASK 807        |
|                   |                                   | 73-08864         | 73-27 TASK 807        |
|                   |                                   | 73-08872         | 73-27 TASK 807        |
|                   |                                   | 73-08873         | 73-27 TASK 806        |
|                   |                                   | 73-08875         | 73-27 TASK 806        |
|                   |                                   | 73-08876         | 73-27 TASK 807        |
|                   |                                   | 73-09401         | 73-27 TASK 808        |
|                   |                                   | 73-09403         | 73-27 TASK 808        |
|                   |                                   | 73-09501         | 73-27 TASK 808        |
|                   |                                   | 73-09504         | 73-27 TASK 809        |
|                   |                                   | 73-09505         | 73-27 TASK 808        |
|                   |                                   | 73-09506         | 73-27 TASK 809        |
|                   |                                   | 73-09602         | 73-27 TASK 809        |
|                   |                                   | 73-09604         | 73-27 TASK 809        |
|                   |                                   | 73-09702         | 73-27 TASK 809        |
|                   |                                   | 73-09703         | 73-27 TASK 808        |
|                   |                                   | 73-09705         | 73-27 TASK 808        |
|                   |                                   | 73-09706         | 73-27 TASK 809        |
|                   |                                   | 73-13111         | 73-21 TASK 842        |
|                   |                                   | 73-13112         | 73-21 TASK 842        |
|                   |                                   | 73-23111         | 73-21 TASK 842        |
|                   |                                   | 73-23112         | 73-21 TASK 842        |
|                   |                                   | 76-15211         | 76-11 TASK 807        |
|                   |                                   | 76-15212         | 76-11 TASK 807        |
|                   |                                   | 76-25211         | 76-11 TASK 808        |
|                   |                                   | 76-25212         | 76-11 TASK 808        |
| 315 063 41        | WARNING SPEAKER L (EICAS STATUS)  | 23-81004         | 23-91 TASK 804        |
|                   |                                   | 24-13814         | 24-33 TASK 817        |
|                   |                                   | 31-58013         | 31-43 TASK 872        |
|                   |                                   | 31-58014         | 31-43 TASK 873        |
|                   |                                   | 31-58121         | 31-41 TASK 856        |
|                   |                                   | 31-58122         | 31-41 TASK 857        |
|                   |                                   | 31-69401         | 31-42 TASK 825        |
|                   |                                   | 31-69402         | 31-42 TASK 825        |

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|-------------------|----------------------------------|------------------|-----------------------|
| 315 063 41        | WARNING SPEAKER L (EICAS STATUS) | (continued)      |                       |
|                   |                                  | 31-69439         | 31-42 TASK 840        |
|                   |                                  | 31-69440         | 31-42 TASK 840        |
|                   |                                  | 31-70011         | 31-51 TASK 801        |
|                   |                                  | 31-70021         | 31-51 TASK 802        |
|                   |                                  | 31-70035         | 31-51 TASK 963        |
|                   |                                  | 31-78801         | 31-51 TASK 801        |
|                   |                                  | 31-78841         | 31-51 TASK 825        |
|                   |                                  | 31-79401         | 31-51 TASK 804        |
| 315 063 42        | WARNING SPEAKER R (EICAS STATUS) | 31-79402         | 31-51 TASK 805        |
|                   |                                  | 23-81006         | 23-91 TASK 806        |
|                   |                                  | 24-12056         | 24-32 TASK 820        |
|                   |                                  | 31-54013         | 31-43 TASK 868        |
|                   |                                  | 31-54014         | 31-43 TASK 869        |
|                   |                                  | 31-54121         | 31-41 TASK 838        |
|                   |                                  | 31-54122         | 31-41 TASK 839        |
|                   |                                  | 31-69601         | 31-42 TASK 857        |
|                   |                                  | 31-69602         | 31-42 TASK 857        |
|                   |                                  | 31-69641         | 31-42 TASK 870        |
|                   |                                  | 31-69642         | 31-42 TASK 870        |
|                   |                                  | 31-70012         | 31-51 TASK 821        |
|                   |                                  | 31-70022         | 31-51 TASK 822        |
|                   |                                  | 31-70036         | 31-51 TASK 964        |
|                   |                                  | 31-78802         | 31-51 TASK 821        |
|                   |                                  | 31-78862         | 31-51 TASK 827        |
|                   |                                  | 31-79603         | 31-51 TASK 860        |
| 315 071 01        | WEU CHANNEL L1 (EICAS STATUS)    | 31-79604         | 31-51 TASK 861        |
|                   |                                  | 23-81004         | 23-91 TASK 804        |
|                   |                                  | 24-13814         | 24-33 TASK 817        |
|                   |                                  | 31-58013         | 31-43 TASK 872        |
|                   |                                  | 31-58014         | 31-43 TASK 873        |
|                   |                                  | 31-58121         | 31-41 TASK 856        |
|                   |                                  | 31-58122         | 31-41 TASK 857        |
|                   |                                  | 31-69401         | 31-42 TASK 825        |
|                   |                                  | 31-69402         | 31-42 TASK 825        |
|                   |                                  | 31-69439         | 31-42 TASK 840        |

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|-------------------|-------------------------------|------------------|-----------------------|
| 315 071 01        | WEU CHANNEL L1 (EICAS STATUS) | (continued)      |                       |
|                   |                               | 31-69440         | 31-42 TASK 840        |
|                   |                               | 31-70011         | 31-51 TASK 801        |
|                   |                               | 31-70021         | 31-51 TASK 802        |
|                   |                               | 31-70031         | 31-51 TASK 959        |
|                   |                               | 31-72210         | 31-51 TASK 986        |
|                   |                               | 31-78071         | 31-51 TASK 906        |
|                   |                               | 31-78170         | 31-51 TASK 894        |
|                   |                               | 31-78171         | 31-51 TASK 937        |
|                   |                               | 31-78301         | 31-51 TASK 927        |
|                   |                               | 31-78311         | 31-51 TASK 929        |
|                   |                               | 31-78321         | 31-51 TASK 931        |
|                   |                               | 31-78801         | 31-51 TASK 801        |
|                   |                               | 31-78802         | 31-51 TASK 821        |
|                   |                               | 31-78841         | 31-51 TASK 825        |
|                   |                               | 31-78891         | 31-51 TASK 828        |
|                   |                               | 31-78892         | 31-51 TASK 803        |
|                   |                               | 31-78893         | 31-51 TASK 829        |
|                   |                               | 31-78894         | 31-51 TASK 830        |
|                   |                               | 31-79401         | 31-51 TASK 804        |
|                   |                               | 31-79402         | 31-51 TASK 805        |
|                   |                               | 31-79905         | 31-51 TASK 882        |
|                   |                               | 31-79907         | 31-51 TASK 884        |
|                   |                               | 31-79909         | 31-51 TASK 885        |
|                   |                               | 31-79910         | 31-51 TASK 886        |
|                   |                               | 31-79913         | 31-51 TASK 889        |
|                   |                               | 31-79916         | 31-51 TASK 944        |
|                   |                               | 31-79917         | 31-51 TASK 935        |
|                   |                               | 31-79918         | 31-51 TASK 936        |
|                   |                               | 31-79920         | 31-51 TASK 942        |
| 315 071 02        | WEU CHANNEL L2 (EICAS STATUS) | 23-81005         | 23-91 TASK 805        |
|                   |                               | 24-12056         | 24-32 TASK 820        |
|                   |                               | 24-13814         | 24-33 TASK 817        |
|                   |                               | 31-56013         | 31-43 TASK 870        |
|                   |                               | 31-56014         | 31-43 TASK 871        |
|                   |                               | 31-56121         | 31-41 TASK 848        |

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|-------------------|-------------------------------|------------------|-----------------------|
| 315 071 02        | WEU CHANNEL L2 (EICAS STATUS) | (continued)      |                       |
|                   |                               | 31-56122         | 31-41 TASK 849        |
|                   |                               | 31-69501         | 31-42 TASK 852        |
|                   |                               | 31-69502         | 31-42 TASK 852        |
|                   |                               | 31-69539         | 31-42 TASK 855        |
|                   |                               | 31-69540         | 31-42 TASK 855        |
|                   |                               | 31-70011         | 31-51 TASK 801        |
|                   |                               | 31-70021         | 31-51 TASK 802        |
|                   |                               | 31-70032         | 31-51 TASK 960        |
|                   |                               | 31-72210         | 31-51 TASK 986        |
|                   |                               | 31-78170         | 31-51 TASK 894        |
|                   |                               | 31-78172         | 31-51 TASK 937        |
|                   |                               | 31-78302         | 31-51 TASK 927        |
|                   |                               | 31-78312         | 31-51 TASK 929        |
|                   |                               | 31-78322         | 31-51 TASK 932        |
|                   |                               | 31-78801         | 31-51 TASK 801        |
|                   |                               | 31-78802         | 31-51 TASK 821        |
|                   |                               | 31-78851         | 31-51 TASK 826        |
|                   |                               | 31-78891         | 31-51 TASK 828        |
|                   |                               | 31-78892         | 31-51 TASK 803        |
|                   |                               | 31-78893         | 31-51 TASK 829        |
|                   |                               | 31-78894         | 31-51 TASK 830        |
|                   |                               | 31-79501         | 31-51 TASK 836        |
|                   |                               | 31-79503         | 31-51 TASK 838        |
|                   |                               | 31-79905         | 31-51 TASK 882        |
|                   |                               | 31-79907         | 31-51 TASK 884        |
|                   |                               | 31-79911         | 31-51 TASK 887        |
|                   |                               | 31-79912         | 31-51 TASK 888        |
|                   |                               | 31-79914         | 31-51 TASK 890        |
|                   |                               | 31-79915         | 31-51 TASK 943        |
|                   |                               | 31-79918         | 31-51 TASK 936        |
|                   |                               | 31-79919         | 31-51 TASK 941        |
|                   |                               | 31-79920         | 31-51 TASK 942        |
| 315 072 01        | WEU CHANNEL R1 (EICAS STATUS) | 23-81006         | 23-91 TASK 806        |
|                   |                               | 24-12056         | 24-32 TASK 820        |
|                   |                               | 31-54013         | 31-43 TASK 868        |

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| <b>FAULT CODE</b> | <b>FAULT DESCRIPTION</b>      | <b>MAINT MSG</b> | <b>GO TO FIM TASK</b> |
|-------------------|-------------------------------|------------------|-----------------------|
| 315 072 01        | WEU CHANNEL R1 (EICAS STATUS) | (continued)      |                       |
|                   |                               | 31-54014         | 31-43 TASK 869        |
|                   |                               | 31-54121         | 31-41 TASK 838        |
|                   |                               | 31-54122         | 31-41 TASK 839        |
|                   |                               | 31-69601         | 31-42 TASK 857        |
|                   |                               | 31-69602         | 31-42 TASK 857        |
|                   |                               | 31-69641         | 31-42 TASK 870        |
|                   |                               | 31-69642         | 31-42 TASK 870        |
|                   |                               | 31-70012         | 31-51 TASK 821        |
|                   |                               | 31-70022         | 31-51 TASK 822        |
|                   |                               | 31-70033         | 31-51 TASK 961        |
|                   |                               | 31-72210         | 31-51 TASK 986        |
|                   |                               | 31-78073         | 31-51 TASK 907        |
|                   |                               | 31-78170         | 31-51 TASK 894        |
|                   |                               | 31-78173         | 31-51 TASK 938        |
|                   |                               | 31-78303         | 31-51 TASK 928        |
|                   |                               | 31-78313         | 31-51 TASK 930        |
|                   |                               | 31-78323         | 31-51 TASK 933        |
|                   |                               | 31-78801         | 31-51 TASK 801        |
|                   |                               | 31-78802         | 31-51 TASK 821        |
|                   |                               | 31-78862         | 31-51 TASK 827        |
|                   |                               | 31-78891         | 31-51 TASK 828        |
|                   |                               | 31-78892         | 31-51 TASK 803        |
|                   |                               | 31-78893         | 31-51 TASK 829        |
|                   |                               | 31-78894         | 31-51 TASK 830        |
|                   |                               | 31-79603         | 31-51 TASK 860        |
|                   |                               | 31-79604         | 31-51 TASK 861        |
|                   |                               | 31-79906         | 31-51 TASK 883        |
|                   |                               | 31-79908         | 31-51 TASK 967        |
|                   |                               | 31-79909         | 31-51 TASK 885        |
|                   |                               | 31-79910         | 31-51 TASK 886        |
|                   |                               | 31-79914         | 31-51 TASK 890        |
|                   |                               | 31-79915         | 31-51 TASK 943        |
|                   |                               | 31-79917         | 31-51 TASK 935        |
|                   |                               | 31-79918         | 31-51 TASK 936        |
|                   |                               | 31-79919         | 31-51 TASK 941        |

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| <b>FAULT CODE</b> | <b>FAULT DESCRIPTION</b>      | <b>MAINT MSG</b> | <b>GO TO FIM TASK</b> |
|-------------------|-------------------------------|------------------|-----------------------|
| 315 072 02        | WEU CHANNEL R2 (EICAS STATUS) | 23-81005         | 23-91 TASK 805        |
|                   |                               | 24-12056         | 24-32 TASK 820        |
|                   |                               | 24-13814         | 24-33 TASK 817        |
|                   |                               | 31-56013         | 31-43 TASK 870        |
|                   |                               | 31-56014         | 31-43 TASK 871        |
|                   |                               | 31-56121         | 31-41 TASK 848        |
|                   |                               | 31-56122         | 31-41 TASK 849        |
|                   |                               | 31-69501         | 31-42 TASK 852        |
|                   |                               | 31-69502         | 31-42 TASK 852        |
|                   |                               | 31-69541         | 31-42 TASK 855        |
|                   |                               | 31-69542         | 31-42 TASK 855        |
|                   |                               | 31-70012         | 31-51 TASK 821        |
|                   |                               | 31-70022         | 31-51 TASK 822        |
|                   |                               | 31-70034         | 31-51 TASK 962        |
|                   |                               | 31-72210         | 31-51 TASK 986        |
|                   |                               | 31-78170         | 31-51 TASK 894        |
|                   |                               | 31-78174         | 31-51 TASK 938        |
|                   |                               | 31-78304         | 31-51 TASK 928        |
|                   |                               | 31-78314         | 31-51 TASK 930        |
|                   |                               | 31-78324         | 31-51 TASK 934        |
|                   |                               | 31-78801         | 31-51 TASK 801        |
|                   |                               | 31-78802         | 31-51 TASK 821        |
|                   |                               | 31-78852         | 31-51 TASK 898        |
|                   |                               | 31-78891         | 31-51 TASK 828        |
|                   |                               | 31-78892         | 31-51 TASK 803        |
|                   |                               | 31-78893         | 31-51 TASK 829        |
|                   |                               | 31-78894         | 31-51 TASK 830        |
|                   |                               | 31-79502         | 31-51 TASK 837        |
|                   |                               | 31-79504         | 31-51 TASK 839        |
|                   |                               | 31-79906         | 31-51 TASK 883        |
|                   |                               | 31-79908         | 31-51 TASK 967        |
|                   |                               | 31-79911         | 31-51 TASK 887        |
|                   |                               | 31-79912         | 31-51 TASK 888        |
|                   |                               | 31-79913         | 31-51 TASK 889        |
|                   |                               | 31-79916         | 31-51 TASK 944        |
|                   |                               | 31-79917         | 31-51 TASK 935        |

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| <b>FAULT CODE</b> | <b>FAULT DESCRIPTION</b>               | <b>MAINT MSG</b>                                                                                                                                                                                                                                                                                                                                                                                         | <b>GO TO FIM TASK</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 315 072 02        | WEU CHANNEL R2 (EICAS STATUS)          | (continued)<br>31-79919<br>31-79920                                                                                                                                                                                                                                                                                                                                                                      | 31-51 TASK 941<br>31-51 TASK 942                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 315 301 31        | SPD LIM flag shows on PFD - captain's. | 21-16205<br>22-18804<br>22-18894<br>22-18895<br>23-81001<br>23-81002<br>23-81003<br>23-81004<br>23-81005<br>23-81006<br>23-81007<br>24-11780<br>24-11781<br>24-11784<br>24-11786<br>24-11787<br>24-11790<br>24-11793<br>24-11795<br>24-11796<br>24-12051<br>24-12056<br>24-12057<br>24-12122<br>24-12124<br>24-12125<br>24-12126<br>24-12127<br>24-12800<br>24-12801<br>24-13801<br>24-13814<br>24-13815 | 21-25 TASK 823<br>22-18 TASK 801<br>22-18 TASK 804<br>22-18 TASK 805<br>23-91 TASK 801<br>23-91 TASK 802<br>23-91 TASK 803<br>23-91 TASK 804<br>23-91 TASK 805<br>23-91 TASK 806<br>23-91 TASK 807<br>24-53 TASK 805<br>24-51 TASK 837<br>24-51 TASK 836<br>24-51 TASK 833<br>24-32 TASK 817<br>24-08 TASK 833<br>24-08 TASK 834<br>24-08 TASK 804<br>24-08 TASK 804<br>24-32 TASK 819<br>24-32 TASK 820<br>24-08 TASK 836<br>24-08 TASK 835<br>24-51 TASK 840<br>24-51 TASK 841<br>24-51 TASK 841<br>24-51 TASK 842<br>24-08 TASK 805<br>24-08 TASK 805<br>24-61 TASK 805<br>24-33 TASK 817<br>24-61 TASK 806 |

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|-------------------|----------------------------------------|------------------|-----------------------|
| 315 301 31        | SPD LIM flag shows on PFD - captain's. | (continued)      |                       |
|                   |                                        | 24-13816         | 24-32 TASK 831        |
|                   |                                        | 24-13817         | 24-33 TASK 818        |
|                   |                                        | 24-13818         | 24-53 TASK 807        |
|                   |                                        | 24-18801         | 24-09 TASK 806        |
|                   |                                        | 24-18802         | 24-09 TASK 807        |
|                   |                                        | 24-78841         | 24-08 TASK 860        |
|                   |                                        | 24-78842         | 24-08 TASK 862        |
|                   |                                        | 24-78861         | 24-08 TASK 861        |
|                   |                                        | 24-78862         | 24-08 TASK 863        |
|                   |                                        | 27-10802         | 27-21 TASK 805        |
|                   |                                        | 27-11000         | 27-41 TASK 807        |
|                   |                                        | 27-11001         | 27-41 TASK 810        |
|                   |                                        | 27-11002         | 27-41 TASK 811        |
|                   |                                        | 27-11003         | 27-41 TASK 820        |
|                   |                                        | 27-11004         | 27-41 TASK 837        |
|                   |                                        | 27-11005         | 27-41 TASK 838        |
|                   |                                        | 27-11006         | 27-41 TASK 808        |
|                   |                                        | 27-11416         | 27-21 TASK 840        |
|                   |                                        | 27-12300         | 27-61 TASK 816        |
|                   |                                        | 27-12301         | 27-61 TASK 835        |
|                   |                                        | 27-12302         | 27-61 TASK 836        |
|                   |                                        | 27-12303         | 27-61 TASK 837        |
|                   |                                        | 27-12304         | 27-61 TASK 817        |
|                   |                                        | 27-12305         | 27-61 TASK 838        |
|                   |                                        | 27-12306         | 27-61 TASK 839        |
|                   |                                        | 27-12307         | 27-61 TASK 840        |
|                   |                                        | 27-12308         | 27-61 TASK 818        |
|                   |                                        | 27-13000         | 27-02 TASK 880        |
|                   |                                        | 27-13001         | 27-02 TASK 881        |
|                   |                                        | 27-13002         | 27-02 TASK 808        |
|                   |                                        | 27-13003         | 27-02 TASK 809        |
|                   |                                        | 27-13008         | 27-02 TASK 807        |
|                   |                                        | 27-13009         | 27-02 TASK 877        |
|                   |                                        | 27-13010         | 27-02 TASK 878        |
|                   |                                        | 27-13011         | 27-02 TASK 879        |

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|-------------------|----------------------------------------|------------------|-----------------------|
| 315 301 31        | SPD LIM flag shows on PFD - captain's. | (continued)      |                       |
|                   |                                        | 27-13020         | 27-02 TASK 818        |
|                   |                                        | 27-13022         | 27-02 TASK 829        |
|                   |                                        | 27-13023         | 27-02 TASK 830        |
|                   |                                        | 27-13024         | 27-02 TASK 831        |
|                   |                                        | 27-13027         | 27-02 TASK 833        |
|                   |                                        | 27-13028         | 27-02 TASK 834        |
|                   |                                        | 27-13029         | 27-02 TASK 820        |
|                   |                                        | 27-13030         | 27-02 TASK 835        |
|                   |                                        | 27-13031         | 27-02 TASK 836        |
|                   |                                        | 27-13046         | 27-02 TASK 805        |
|                   |                                        | 27-13048         | 27-02 TASK 863        |
|                   |                                        | 27-13049         | 27-02 TASK 864        |
|                   |                                        | 27-14018         | 27-02 TASK 813        |
|                   |                                        | 27-14019         | 27-02 TASK 941        |
|                   |                                        | 27-14020         | 27-02 TASK 942        |
|                   |                                        | 27-14025         | 27-02 TASK 943        |
|                   |                                        | 27-14026         | 27-02 TASK 944        |
|                   |                                        | 27-14027         | 27-02 TASK 945        |
|                   |                                        | 27-14030         | 27-02 TASK 905        |
|                   |                                        | 27-14031         | 27-02 TASK 906        |
|                   |                                        | 27-14032         | 27-02 TASK 907        |
|                   |                                        | 27-14033         | 27-02 TASK 908        |
|                   |                                        | 27-15009         | 27-02 TASK 802        |
|                   |                                        | 27-15010         | 27-02 TASK 849        |
|                   |                                        | 27-15011         | 27-02 TASK 850        |
|                   |                                        | 27-15012         | 27-02 TASK 851        |
|                   |                                        | 27-15100         | 27-02 TASK 946        |
|                   |                                        | 27-15101         | 27-02 TASK 947        |
|                   |                                        | 27-15102         | 27-02 TASK 948        |
|                   |                                        | 27-18811         | 27-02 TASK 901        |
|                   |                                        | 27-18822         | 27-02 TASK 919        |
|                   |                                        | 27-18833         | 27-02 TASK 920        |
|                   |                                        | 27-19101         | 27-02 TASK 974        |
|                   |                                        | 27-19201         | 27-02 TASK 979        |
|                   |                                        | 27-19301         | 27-02 TASK 983        |

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|-------------------|----------------------------------------|------------------|-----------------------|
| 315 301 31        | SPD LIM flag shows on PFD - captain's. | (continued)      |                       |
|                   |                                        | 27-20251         | 27-51 TASK 863        |
|                   |                                        | 27-20252         | 27-52 TASK 809        |
|                   |                                        | 27-20261         | 27-51 TASK 809        |
|                   |                                        | 27-20262         | 27-52 TASK 810        |
|                   |                                        | 27-20271         | 27-51 TASK 810        |
|                   |                                        | 27-20272         | 27-52 TASK 811        |
|                   |                                        | 27-20691         | 27-51 TASK 811        |
|                   |                                        | 27-20692         | 27-52 TASK 812        |
|                   |                                        | 27-20701         | 27-51 TASK 812        |
|                   |                                        | 27-20702         | 27-52 TASK 813        |
|                   |                                        | 27-20711         | 27-51 TASK 813        |
|                   |                                        | 27-20712         | 27-52 TASK 814        |
|                   |                                        | 27-20891         | 27-51 TASK 823        |
|                   |                                        | 27-20892         | 27-52 TASK 826        |
|                   |                                        | 27-21161         | 27-81 TASK 814        |
|                   |                                        | 27-21162         | 27-82 TASK 815        |
|                   |                                        | 27-21171         | 27-81 TASK 815        |
|                   |                                        | 27-21172         | 27-82 TASK 816        |
|                   |                                        | 27-21181         | 27-81 TASK 816        |
|                   |                                        | 27-21182         | 27-82 TASK 817        |
|                   |                                        | 27-21241         | 27-51 TASK 838        |
|                   |                                        | 27-21242         | 27-52 TASK 832        |
|                   |                                        | 27-28801         | 27-51 TASK 841        |
|                   |                                        | 27-28802         | 27-52 TASK 835        |
|                   |                                        | 27-28841         | 27-51 TASK 842        |
|                   |                                        | 27-28851         | 27-51 TASK 869        |
|                   |                                        | 27-28852         | 27-52 TASK 837        |
|                   |                                        | 27-28862         | 27-52 TASK 836        |
|                   |                                        | 30-36121         | 30-31 TASK 801        |
|                   |                                        | 30-36122         | 30-31 TASK 802        |
|                   |                                        | 30-36123         | 30-31 TASK 803        |
|                   |                                        | 30-36421         | 30-31 TASK 804        |
|                   |                                        | 30-36423         | 30-31 TASK 805        |
|                   |                                        | 30-36521         | 30-31 TASK 806        |
|                   |                                        | 30-36523         | 30-31 TASK 810        |

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|-------------------|----------------------------------------|------------------|-----------------------|
| 315 301 31        | SPD LIM flag shows on PFD - captain's. | (continued)      |                       |
|                   |                                        | 30-36641         | 30-31 TASK 807        |
|                   |                                        | 30-36642         | 30-31 TASK 808        |
|                   |                                        | 30-36643         | 30-31 TASK 809        |
|                   |                                        | 31-50007         | 31-44 TASK 821        |
|                   |                                        | 31-50008         | 31-44 TASK 822        |
|                   |                                        | 31-50011         | 31-44 TASK 801        |
|                   |                                        | 31-50012         | 31-44 TASK 802        |
|                   |                                        | 31-50017         | 31-44 TASK 823        |
|                   |                                        | 31-50018         | 31-44 TASK 824        |
|                   |                                        | 31-50027         | 31-44 TASK 825        |
|                   |                                        | 31-50028         | 31-44 TASK 826        |
|                   |                                        | 31-50091         | 31-44 TASK 819        |
|                   |                                        | 31-50092         | 31-44 TASK 820        |
|                   |                                        | 31-50201         | 31-43 TASK 852        |
|                   |                                        | 31-50202         | 31-43 TASK 853        |
|                   |                                        | 31-50417         | 31-44 TASK 884        |
|                   |                                        | 31-50418         | 31-44 TASK 885        |
|                   |                                        | 31-50427         | 31-44 TASK 886        |
|                   |                                        | 31-50428         | 31-44 TASK 887        |
|                   |                                        | 31-50437         | 31-44 TASK 888        |
|                   |                                        | 31-50438         | 31-44 TASK 889        |
|                   |                                        | 31-50447         | 31-44 TASK 890        |
|                   |                                        | 31-50448         | 31-44 TASK 891        |
|                   |                                        | 31-51023         | 31-44 TASK 865        |
|                   |                                        | 31-51024         | 31-44 TASK 866        |
|                   |                                        | 31-51025         | 31-43 TASK 803        |
|                   |                                        | 31-51026         | 31-43 TASK 804        |
|                   |                                        | 31-51033         | 31-44 TASK 869        |
|                   |                                        | 31-51034         | 31-44 TASK 870        |
|                   |                                        | 31-51043         | 31-44 TASK 871        |
|                   |                                        | 31-51044         | 31-44 TASK 872        |
|                   |                                        | 31-51411         | 34-61 TASK 913        |
|                   |                                        | 31-51412         | 34-61 TASK 914        |
|                   |                                        | 31-51413         | 34-61 TASK 815        |
|                   |                                        | 31-51414         | 34-61 TASK 889        |

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|-------------------|----------------------------------------|------------------|-----------------------|
| 315 301 31        | SPD LIM flag shows on PFD - captain's. | (continued)      |                       |
|                   |                                        | 31-51421         | 34-61 TASK 888        |
|                   |                                        | 31-51422         | 34-61 TASK 814        |
|                   |                                        | 31-51423         | 34-61 TASK 815        |
|                   |                                        | 31-51424         | 34-61 TASK 889        |
|                   |                                        | 31-51531         | 31-44 TASK 837        |
|                   |                                        | 31-51532         | 31-44 TASK 838        |
|                   |                                        | 31-51533         | 31-44 TASK 839        |
|                   |                                        | 31-51534         | 31-44 TASK 840        |
|                   |                                        | 31-51731         | 31-44 TASK 841        |
|                   |                                        | 31-51732         | 31-44 TASK 842        |
|                   |                                        | 31-51733         | 31-44 TASK 843        |
|                   |                                        | 31-51734         | 31-44 TASK 844        |
|                   |                                        | 31-52013         | 31-43 TASK 866        |
|                   |                                        | 31-52014         | 31-43 TASK 867        |
|                   |                                        | 31-52101         | 31-41 TASK 817        |
|                   |                                        | 31-52112         | 31-41 TASK 820        |
|                   |                                        | 31-52121         | 31-41 TASK 821        |
|                   |                                        | 31-52122         | 31-41 TASK 822        |
|                   |                                        | 31-52601         | 31-41 TASK 832        |
|                   |                                        | 31-52602         | 31-41 TASK 833        |
|                   |                                        | 31-54013         | 31-43 TASK 868        |
|                   |                                        | 31-54014         | 31-43 TASK 869        |
|                   |                                        | 31-54101         | 31-41 TASK 834        |
|                   |                                        | 31-54102         | 31-41 TASK 835        |
|                   |                                        | 31-54121         | 31-41 TASK 838        |
|                   |                                        | 31-54122         | 31-41 TASK 839        |
|                   |                                        | 31-54601         | 31-41 TASK 840        |
|                   |                                        | 31-54602         | 31-41 TASK 841        |
|                   |                                        | 31-55401         | 31-41 TASK 840        |
|                   |                                        | 31-55402         | 31-41 TASK 841        |
|                   |                                        | 31-56013         | 31-43 TASK 870        |
|                   |                                        | 31-56014         | 31-43 TASK 871        |
|                   |                                        | 31-56102         | 31-41 TASK 845        |
|                   |                                        | 31-56104         | 31-45 TASK 811        |
|                   |                                        | 31-56111         | 31-41 TASK 846        |

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|-------------------|----------------------------------------|------------------|-----------------------|
| 315 301 31        | SPD LIM flag shows on PFD - captain's. | (continued)      |                       |
|                   |                                        | 31-56121         | 31-41 TASK 848        |
|                   |                                        | 31-56122         | 31-41 TASK 849        |
|                   |                                        | 31-56601         | 31-41 TASK 842        |
|                   |                                        | 31-56602         | 31-41 TASK 843        |
|                   |                                        | 31-58013         | 31-43 TASK 872        |
|                   |                                        | 31-58014         | 31-43 TASK 873        |
|                   |                                        | 31-58101         | 31-41 TASK 852        |
|                   |                                        | 31-58102         | 31-41 TASK 853        |
|                   |                                        | 31-58121         | 31-41 TASK 856        |
|                   |                                        | 31-58122         | 31-41 TASK 857        |
|                   |                                        | 31-58601         | 31-41 TASK 992        |
|                   |                                        | 31-58602         | 31-41 TASK 993        |
|                   |                                        | 31-59401         | 31-41 TASK 992        |
|                   |                                        | 31-59402         | 31-41 TASK 993        |
|                   |                                        | 31-61011         | 31-43 TASK 861        |
|                   |                                        | 31-61012         | 31-43 TASK 862        |
|                   |                                        | 31-61020         | 31-43 TASK 863        |
|                   |                                        | 31-61031         | 31-41 TASK 862        |
|                   |                                        | 31-61032         | 31-41 TASK 891        |
|                   |                                        | 31-61041         | 31-43 TASK 835        |
|                   |                                        | 31-61042         | 31-43 TASK 836        |
|                   |                                        | 31-61051         | 31-43 TASK 837        |
|                   |                                        | 31-61052         | 31-43 TASK 838        |
|                   |                                        | 31-61061         | 31-43 TASK 839        |
|                   |                                        | 31-61062         | 31-43 TASK 840        |
|                   |                                        | 31-61071         | 31-43 TASK 841        |
|                   |                                        | 31-61072         | 31-43 TASK 842        |
|                   |                                        | 31-61111         | 31-43 TASK 856        |
|                   |                                        | 31-61112         | 31-43 TASK 856        |
|                   |                                        | 31-61113         | 31-43 TASK 856        |
|                   |                                        | 31-61114         | 31-43 TASK 856        |
|                   |                                        | 31-61115         | 31-43 TASK 856        |
|                   |                                        | 31-61116         | 31-43 TASK 856        |
|                   |                                        | 31-61117         | 31-43 TASK 856        |
|                   |                                        | 31-61118         | 31-43 TASK 856        |

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|-------------------|----------------------------------------|------------------|-----------------------|
| 315 301 31        | SPD LIM flag shows on PFD - captain's. | (continued)      |                       |
|                   |                                        | 31-62031         | 31-43 TASK 846        |
|                   |                                        | 31-62032         | 31-43 TASK 847        |
|                   |                                        | 31-62041         | 31-43 TASK 848        |
|                   |                                        | 31-62042         | 31-43 TASK 849        |
|                   |                                        | 31-68801         | 31-43 TASK 892        |
|                   |                                        | 31-68802         | 31-43 TASK 893        |
|                   |                                        | 31-68811         | 31-42 TASK 908        |
|                   |                                        | 31-68832         | 31-42 TASK 908        |
|                   |                                        | 31-69101         | 31-42 TASK 801        |
|                   |                                        | 31-69102         | 31-42 TASK 801        |
|                   |                                        | 31-69107         | 31-42 TASK 804        |
|                   |                                        | 31-69108         | 31-42 TASK 804        |
|                   |                                        | 31-69117         | 31-42 TASK 806        |
|                   |                                        | 31-69118         | 31-42 TASK 806        |
|                   |                                        | 31-69201         | 31-42 TASK 809        |
|                   |                                        | 31-69202         | 31-42 TASK 809        |
|                   |                                        | 31-69209         | 31-42 TASK 812        |
|                   |                                        | 31-69210         | 31-42 TASK 812        |
|                   |                                        | 31-69219         | 31-42 TASK 814        |
|                   |                                        | 31-69220         | 31-42 TASK 814        |
|                   |                                        | 31-69301         | 31-42 TASK 817        |
|                   |                                        | 31-69302         | 31-42 TASK 817        |
|                   |                                        | 31-69311         | 31-42 TASK 820        |
|                   |                                        | 31-69312         | 31-42 TASK 820        |
|                   |                                        | 31-69317         | 31-42 TASK 822        |
|                   |                                        | 31-69318         | 31-42 TASK 822        |
|                   |                                        | 31-69401         | 31-42 TASK 825        |
|                   |                                        | 31-69402         | 31-42 TASK 825        |
|                   |                                        | 31-69439         | 31-42 TASK 840        |
|                   |                                        | 31-69440         | 31-42 TASK 840        |
|                   |                                        | 31-69496         | 31-42 TASK 915        |
|                   |                                        | 31-69497         | 31-42 TASK 915        |
|                   |                                        | 31-69501         | 31-42 TASK 852        |
|                   |                                        | 31-69502         | 31-42 TASK 852        |
|                   |                                        | 31-69539         | 31-42 TASK 855        |

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|-------------------|----------------------------------------|------------------|-----------------------|
| 315 301 31        | SPD LIM flag shows on PFD - captain's. | (continued)      |                       |
|                   |                                        | 31-69540         | 31-42 TASK 855        |
|                   |                                        | 31-69541         | 31-42 TASK 855        |
|                   |                                        | 31-69542         | 31-42 TASK 855        |
|                   |                                        | 31-69601         | 31-42 TASK 857        |
|                   |                                        | 31-69602         | 31-42 TASK 857        |
|                   |                                        | 31-69641         | 31-42 TASK 870        |
|                   |                                        | 31-69642         | 31-42 TASK 870        |
|                   |                                        | 31-69903         | 31-42 TASK 881        |
|                   |                                        | 31-69904         | 31-42 TASK 881        |
|                   |                                        | 31-69905         | 31-42 TASK 881        |
|                   |                                        | 31-69906         | 31-42 TASK 881        |
|                   |                                        | 31-69965         | 31-42 TASK 897        |
|                   |                                        | 31-69966         | 31-42 TASK 897        |
|                   |                                        | 31-69973         | 31-42 TASK 899        |
|                   |                                        | 31-69974         | 31-42 TASK 899        |
|                   |                                        | 31-69975         | 31-42 TASK 899        |
|                   |                                        | 31-69976         | 31-42 TASK 899        |
|                   |                                        | 31-69977         | 31-42 TASK 899        |
|                   |                                        | 31-69978         | 31-42 TASK 899        |
|                   |                                        | 31-70011         | 31-51 TASK 801        |
|                   |                                        | 31-70012         | 31-51 TASK 821        |
|                   |                                        | 31-70021         | 31-51 TASK 802        |
|                   |                                        | 31-70022         | 31-51 TASK 822        |
|                   |                                        | 31-78801         | 31-51 TASK 801        |
|                   |                                        | 31-78802         | 31-51 TASK 821        |
|                   |                                        | 31-78841         | 31-51 TASK 825        |
|                   |                                        | 31-78851         | 31-51 TASK 826        |
|                   |                                        | 31-78852         | 31-51 TASK 898        |
|                   |                                        | 31-78862         | 31-51 TASK 827        |
|                   |                                        | 31-79401         | 31-51 TASK 804        |
|                   |                                        | 31-79402         | 31-51 TASK 805        |
|                   |                                        | 31-79437         | 31-51 TASK 815        |
|                   |                                        | 31-79439         | 31-51 TASK 816        |
|                   |                                        | 31-79501         | 31-51 TASK 836        |
|                   |                                        | 31-79502         | 31-51 TASK 837        |

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|-------------------|----------------------------------------|------------------|-----------------------|
| 315 301 31        | SPD LIM flag shows on PFD - captain's. | (continued)      |                       |
|                   |                                        | 31-79503         | 31-51 TASK 838        |
|                   |                                        | 31-79504         | 31-51 TASK 839        |
|                   |                                        | 31-79537         | 31-51 TASK 852        |
|                   |                                        | 31-79539         | 31-51 TASK 854        |
|                   |                                        | 31-79542         | 31-51 TASK 857        |
|                   |                                        | 31-79544         | 31-51 TASK 859        |
|                   |                                        | 31-79603         | 31-51 TASK 860        |
|                   |                                        | 31-79604         | 31-51 TASK 861        |
|                   |                                        | 31-79642         | 31-51 TASK 872        |
|                   |                                        | 31-79644         | 31-51 TASK 873        |
|                   |                                        | 31-85127         | 31-98 TASK 801        |
|                   |                                        | 31-89417         | 31-42 TASK 915        |
|                   |                                        | 31-89418         | 31-42 TASK 915        |
|                   |                                        | 31-89617         | 31-42 TASK 916        |
|                   |                                        | 31-89618         | 31-42 TASK 916        |
|                   |                                        | 31-89619         | 31-42 TASK 916        |
|                   |                                        | 31-89620         | 31-42 TASK 916        |
|                   |                                        | 34-25101         | 34-11 TASK 801        |
|                   |                                        | 34-25102         | 34-11 TASK 802        |
|                   |                                        | 34-25103         | 34-11 TASK 803        |
|                   |                                        | 34-25201         | 34-11 TASK 804        |
|                   |                                        | 34-25202         | 34-11 TASK 805        |
|                   |                                        | 34-25203         | 34-11 TASK 806        |
|                   |                                        | 34-25601         | 34-21 TASK 808        |
|                   |                                        | 34-25603         | 34-21 TASK 885        |
|                   |                                        | 34-26101         | 34-21 TASK 810        |
|                   |                                        | 34-26102         | 34-21 TASK 839        |
|                   |                                        | 34-26103         | 34-21 TASK 840        |
|                   |                                        | 34-26201         | 34-21 TASK 843        |
|                   |                                        | 34-26202         | 34-21 TASK 844        |
|                   |                                        | 34-26203         | 34-21 TASK 845        |
|                   |                                        | 34-28801         | 34-21 TASK 848        |
|                   |                                        | 34-28810         | 34-21 TASK 849        |
|                   |                                        | 34-28813         | 34-21 TASK 813        |
|                   |                                        | 34-28816         | 34-21 TASK 814        |

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|-------------------|----------------------------------------|------------------|-----------------------|
| 315 301 31        | SPD LIM flag shows on PFD - captain's. | (continued)      |                       |
|                   |                                        | 34-28824         | 34-21 TASK 850        |
|                   |                                        | 34-28827         | 34-21 TASK 851        |
|                   |                                        | 34-28830         | 34-21 TASK 852        |
|                   |                                        | 34-28835         | 34-21 TASK 853        |
|                   |                                        | 34-28838         | 34-21 TASK 854        |
|                   |                                        | 34-29101         | 34-21 TASK 893        |
|                   |                                        | 34-29102         | 34-21 TASK 815        |
|                   |                                        | 34-29105         | 34-21 TASK 816        |
|                   |                                        | 34-29107         | 34-21 TASK 817        |
|                   |                                        | 34-29115         | 34-21 TASK 857        |
|                   |                                        | 34-29120         | 34-21 TASK 894        |
|                   |                                        | 34-29201         | 34-21 TASK 858        |
|                   |                                        | 34-29202         | 34-21 TASK 859        |
|                   |                                        | 34-29204         | 34-21 TASK 860        |
|                   |                                        | 34-29216         | 34-21 TASK 862        |
|                   |                                        | 34-29301         | 34-21 TASK 895        |
|                   |                                        | 34-29303         | 34-21 TASK 864        |
|                   |                                        | 34-29306         | 34-21 TASK 865        |
|                   |                                        | 34-29308         | 34-21 TASK 866        |
|                   |                                        | 34-29317         | 34-21 TASK 869        |
|                   |                                        | 34-29320         | 34-21 TASK 896        |
|                   |                                        | 34-30700         | 34-21 TASK 870        |
|                   |                                        | 34-30711         | 34-21 TASK 818        |
|                   |                                        | 34-30712         | 34-21 TASK 871        |
|                   |                                        | 34-30713         | 34-21 TASK 872        |
|                   |                                        | 34-30760         | 34-21 TASK 819        |
|                   |                                        | 34-31601         | 34-21 TASK 821        |
|                   |                                        | 34-32601         | 34-21 TASK 822        |
|                   |                                        | 34-34603         | 34-21 TASK 887        |
|                   |                                        | 34-35603         | 34-21 TASK 888        |
|                   |                                        | 34-38310         | 34-21 TASK 819        |
|                   |                                        | 34-38801         | 34-21 TASK 874        |
|                   |                                        | 34-38820         | 34-21 TASK 898        |
|                   |                                        | 34-39101         | 34-21 TASK 825        |
|                   |                                        | 34-39103         | 34-21 TASK 826        |

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|-------------------|----------------------------------------------|------------------|-----------------------|
| 315 301 31        | SPD LIM flag shows on PFD - captain's.       | (continued)      |                       |
|                   |                                              | 34-39106         | 34-21 TASK 827        |
|                   |                                              | 34-39111         | 34-21 TASK 828        |
|                   |                                              | 34-39201         | 34-21 TASK 871        |
|                   |                                              | 34-39204         | 34-21 TASK 876        |
|                   |                                              | 34-39207         | 34-21 TASK 877        |
|                   |                                              | 34-39301         | 34-21 TASK 879        |
|                   |                                              | 34-39305         | 34-21 TASK 880        |
|                   |                                              | 34-39308         | 34-21 TASK 881        |
|                   |                                              | 34-39312         | 34-21 TASK 882        |
|                   |                                              | 34-42011         | 34-33 TASK 801        |
|                   |                                              | 34-42012         | 34-33 TASK 801        |
|                   |                                              | 34-42013         | 34-33 TASK 801        |
|                   |                                              | 34-42021         | 34-33 TASK 802        |
|                   |                                              | 34-42022         | 34-33 TASK 812        |
|                   |                                              | 34-42023         | 34-33 TASK 813        |
|                   |                                              | 34-42031         | 34-33 TASK 814        |
|                   |                                              | 34-42032         | 34-33 TASK 815        |
|                   |                                              | 34-42033         | 34-33 TASK 816        |
|                   |                                              | 34-42801         | 34-33 TASK 801        |
|                   |                                              | 34-42802         | 34-33 TASK 801        |
|                   |                                              | 34-42803         | 34-33 TASK 801        |
|                   |                                              | 34-42891         | 34-33 TASK 803        |
|                   |                                              | 34-42892         | 34-33 TASK 804        |
|                   |                                              | 34-42893         | 34-33 TASK 805        |
|                   |                                              | 34-46891         | 34-46 TASK 803        |
|                   |                                              | 34-71011         | 34-61 TASK 905        |
|                   |                                              | 34-71012         | 34-61 TASK 906        |
|                   |                                              | 34-71060         | 34-90 TASK 801        |
| 315 301 32        | SPD LIM flag shows on PFD - first officer's. | 21-16205         | 21-25 TASK 823        |
|                   |                                              | 22-18804         | 22-18 TASK 801        |
|                   |                                              | 22-18894         | 22-18 TASK 804        |
|                   |                                              | 22-18895         | 22-18 TASK 805        |
|                   |                                              | 23-81001         | 23-91 TASK 801        |
|                   |                                              | 23-81002         | 23-91 TASK 802        |
|                   |                                              | 23-81003         | 23-91 TASK 803        |

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|-------------------|----------------------------------------------|------------------|-----------------------|
| 315 301 32        | SPD LIM flag shows on PFD - first officer's. | (continued)      |                       |
|                   |                                              | 23-81004         | 23-91 TASK 804        |
|                   |                                              | 23-81005         | 23-91 TASK 805        |
|                   |                                              | 23-81006         | 23-91 TASK 806        |
|                   |                                              | 23-81007         | 23-91 TASK 807        |
|                   |                                              | 24-11780         | 24-53 TASK 805        |
|                   |                                              | 24-11781         | 24-51 TASK 837        |
|                   |                                              | 24-11784         | 24-51 TASK 836        |
|                   |                                              | 24-11786         | 24-51 TASK 833        |
|                   |                                              | 24-11787         | 24-32 TASK 817        |
|                   |                                              | 24-11790         | 24-08 TASK 833        |
|                   |                                              | 24-11793         | 24-08 TASK 834        |
|                   |                                              | 24-11795         | 24-08 TASK 804        |
|                   |                                              | 24-11796         | 24-08 TASK 804        |
|                   |                                              | 24-12051         | 24-32 TASK 819        |
|                   |                                              | 24-12056         | 24-32 TASK 820        |
|                   |                                              | 24-12057         | 24-08 TASK 836        |
|                   |                                              | 24-12122         | 24-08 TASK 835        |
|                   |                                              | 24-12124         | 24-51 TASK 840        |
|                   |                                              | 24-12125         | 24-51 TASK 841        |
|                   |                                              | 24-12126         | 24-51 TASK 841        |
|                   |                                              | 24-12127         | 24-51 TASK 842        |
|                   |                                              | 24-12800         | 24-08 TASK 805        |
|                   |                                              | 24-12801         | 24-08 TASK 805        |
|                   |                                              | 24-13801         | 24-61 TASK 805        |
|                   |                                              | 24-13814         | 24-33 TASK 817        |
|                   |                                              | 24-13815         | 24-61 TASK 806        |
|                   |                                              | 24-13816         | 24-32 TASK 831        |
|                   |                                              | 24-13817         | 24-33 TASK 818        |
|                   |                                              | 24-13818         | 24-53 TASK 807        |
|                   |                                              | 24-18801         | 24-09 TASK 806        |
|                   |                                              | 24-18802         | 24-09 TASK 807        |
|                   |                                              | 24-78841         | 24-08 TASK 860        |
|                   |                                              | 24-78842         | 24-08 TASK 862        |
|                   |                                              | 24-78861         | 24-08 TASK 861        |
|                   |                                              | 24-78862         | 24-08 TASK 863        |

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|-------------------|----------------------------------------------|------------------|-----------------------|
| 315 301 32        | SPD LIM flag shows on PFD - first officer's. | (continued)      |                       |
|                   |                                              | 27-10802         | 27-21 TASK 805        |
|                   |                                              | 27-11000         | 27-41 TASK 807        |
|                   |                                              | 27-11001         | 27-41 TASK 810        |
|                   |                                              | 27-11002         | 27-41 TASK 811        |
|                   |                                              | 27-11003         | 27-41 TASK 820        |
|                   |                                              | 27-11004         | 27-41 TASK 837        |
|                   |                                              | 27-11005         | 27-41 TASK 838        |
|                   |                                              | 27-11006         | 27-41 TASK 808        |
|                   |                                              | 27-11416         | 27-21 TASK 840        |
|                   |                                              | 27-12300         | 27-61 TASK 816        |
|                   |                                              | 27-12301         | 27-61 TASK 835        |
|                   |                                              | 27-12302         | 27-61 TASK 836        |
|                   |                                              | 27-12303         | 27-61 TASK 837        |
|                   |                                              | 27-12304         | 27-61 TASK 817        |
|                   |                                              | 27-12305         | 27-61 TASK 838        |
|                   |                                              | 27-12306         | 27-61 TASK 839        |
|                   |                                              | 27-12307         | 27-61 TASK 840        |
|                   |                                              | 27-12308         | 27-61 TASK 818        |
|                   |                                              | 27-13000         | 27-02 TASK 880        |
|                   |                                              | 27-13001         | 27-02 TASK 881        |
|                   |                                              | 27-13002         | 27-02 TASK 808        |
|                   |                                              | 27-13003         | 27-02 TASK 809        |
|                   |                                              | 27-13008         | 27-02 TASK 807        |
|                   |                                              | 27-13009         | 27-02 TASK 877        |
|                   |                                              | 27-13010         | 27-02 TASK 878        |
|                   |                                              | 27-13011         | 27-02 TASK 879        |
|                   |                                              | 27-13020         | 27-02 TASK 818        |
|                   |                                              | 27-13022         | 27-02 TASK 829        |
|                   |                                              | 27-13023         | 27-02 TASK 830        |
|                   |                                              | 27-13024         | 27-02 TASK 831        |
|                   |                                              | 27-13027         | 27-02 TASK 833        |
|                   |                                              | 27-13028         | 27-02 TASK 834        |
|                   |                                              | 27-13029         | 27-02 TASK 820        |
|                   |                                              | 27-13030         | 27-02 TASK 835        |
|                   |                                              | 27-13031         | 27-02 TASK 836        |

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|-------------------|----------------------------------------------|------------------|-----------------------|
| 315 301 32        | SPD LIM flag shows on PFD - first officer's. | (continued)      |                       |
|                   |                                              | 27-13046         | 27-02 TASK 805        |
|                   |                                              | 27-13048         | 27-02 TASK 863        |
|                   |                                              | 27-13049         | 27-02 TASK 864        |
|                   |                                              | 27-14018         | 27-02 TASK 813        |
|                   |                                              | 27-14019         | 27-02 TASK 941        |
|                   |                                              | 27-14020         | 27-02 TASK 942        |
|                   |                                              | 27-14025         | 27-02 TASK 943        |
|                   |                                              | 27-14026         | 27-02 TASK 944        |
|                   |                                              | 27-14027         | 27-02 TASK 945        |
|                   |                                              | 27-14030         | 27-02 TASK 905        |
|                   |                                              | 27-14031         | 27-02 TASK 906        |
|                   |                                              | 27-14032         | 27-02 TASK 907        |
|                   |                                              | 27-14033         | 27-02 TASK 908        |
|                   |                                              | 27-15009         | 27-02 TASK 802        |
|                   |                                              | 27-15010         | 27-02 TASK 849        |
|                   |                                              | 27-15011         | 27-02 TASK 850        |
|                   |                                              | 27-15012         | 27-02 TASK 851        |
|                   |                                              | 27-15100         | 27-02 TASK 946        |
|                   |                                              | 27-15101         | 27-02 TASK 947        |
|                   |                                              | 27-15102         | 27-02 TASK 948        |
|                   |                                              | 27-18811         | 27-02 TASK 901        |
|                   |                                              | 27-18822         | 27-02 TASK 919        |
|                   |                                              | 27-18833         | 27-02 TASK 920        |
|                   |                                              | 27-19101         | 27-02 TASK 974        |
|                   |                                              | 27-19201         | 27-02 TASK 979        |
|                   |                                              | 27-19301         | 27-02 TASK 983        |
|                   |                                              | 27-20251         | 27-51 TASK 863        |
|                   |                                              | 27-20252         | 27-52 TASK 809        |
|                   |                                              | 27-20261         | 27-51 TASK 809        |
|                   |                                              | 27-20262         | 27-52 TASK 810        |
|                   |                                              | 27-20271         | 27-51 TASK 810        |
|                   |                                              | 27-20272         | 27-52 TASK 811        |
|                   |                                              | 27-20691         | 27-51 TASK 811        |
|                   |                                              | 27-20692         | 27-52 TASK 812        |
|                   |                                              | 27-20701         | 27-51 TASK 812        |

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|-------------------|----------------------------------------------|------------------|-----------------------|
| 315 301 32        | SPD LIM flag shows on PFD - first officer's. | (continued)      |                       |
|                   |                                              | 27-20702         | 27-52 TASK 813        |
|                   |                                              | 27-20711         | 27-51 TASK 813        |
|                   |                                              | 27-20712         | 27-52 TASK 814        |
|                   |                                              | 27-20891         | 27-51 TASK 823        |
|                   |                                              | 27-20892         | 27-52 TASK 826        |
|                   |                                              | 27-21161         | 27-81 TASK 814        |
|                   |                                              | 27-21162         | 27-82 TASK 815        |
|                   |                                              | 27-21171         | 27-81 TASK 815        |
|                   |                                              | 27-21172         | 27-82 TASK 816        |
|                   |                                              | 27-21181         | 27-81 TASK 816        |
|                   |                                              | 27-21182         | 27-82 TASK 817        |
|                   |                                              | 27-21241         | 27-51 TASK 838        |
|                   |                                              | 27-21242         | 27-52 TASK 832        |
|                   |                                              | 27-28801         | 27-51 TASK 841        |
|                   |                                              | 27-28802         | 27-52 TASK 835        |
|                   |                                              | 27-28841         | 27-51 TASK 842        |
|                   |                                              | 27-28851         | 27-51 TASK 869        |
|                   |                                              | 27-28852         | 27-52 TASK 837        |
|                   |                                              | 27-28862         | 27-52 TASK 836        |
|                   |                                              | 30-36121         | 30-31 TASK 801        |
|                   |                                              | 30-36122         | 30-31 TASK 802        |
|                   |                                              | 30-36123         | 30-31 TASK 803        |
|                   |                                              | 30-36421         | 30-31 TASK 804        |
|                   |                                              | 30-36423         | 30-31 TASK 805        |
|                   |                                              | 30-36521         | 30-31 TASK 806        |
|                   |                                              | 30-36523         | 30-31 TASK 810        |
|                   |                                              | 30-36641         | 30-31 TASK 807        |
|                   |                                              | 30-36642         | 30-31 TASK 808        |
|                   |                                              | 30-36643         | 30-31 TASK 809        |
|                   |                                              | 31-50007         | 31-44 TASK 821        |
|                   |                                              | 31-50008         | 31-44 TASK 822        |
|                   |                                              | 31-50011         | 31-44 TASK 801        |
|                   |                                              | 31-50012         | 31-44 TASK 802        |
|                   |                                              | 31-50017         | 31-44 TASK 823        |
|                   |                                              | 31-50018         | 31-44 TASK 824        |

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|-------------------|----------------------------------------------|------------------|-----------------------|
| 315 301 32        | SPD LIM flag shows on PFD - first officer's. | (continued)      |                       |
|                   |                                              | 31-50027         | 31-44 TASK 825        |
|                   |                                              | 31-50028         | 31-44 TASK 826        |
|                   |                                              | 31-50091         | 31-44 TASK 819        |
|                   |                                              | 31-50092         | 31-44 TASK 820        |
|                   |                                              | 31-50201         | 31-43 TASK 852        |
|                   |                                              | 31-50202         | 31-43 TASK 853        |
|                   |                                              | 31-50417         | 31-44 TASK 884        |
|                   |                                              | 31-50418         | 31-44 TASK 885        |
|                   |                                              | 31-50427         | 31-44 TASK 886        |
|                   |                                              | 31-50428         | 31-44 TASK 887        |
|                   |                                              | 31-50437         | 31-44 TASK 888        |
|                   |                                              | 31-50438         | 31-44 TASK 889        |
|                   |                                              | 31-50447         | 31-44 TASK 890        |
|                   |                                              | 31-50448         | 31-44 TASK 891        |
|                   |                                              | 31-51023         | 31-44 TASK 865        |
|                   |                                              | 31-51024         | 31-44 TASK 866        |
|                   |                                              | 31-51025         | 31-43 TASK 803        |
|                   |                                              | 31-51026         | 31-43 TASK 804        |
|                   |                                              | 31-51033         | 31-44 TASK 869        |
|                   |                                              | 31-51034         | 31-44 TASK 870        |
|                   |                                              | 31-51043         | 31-44 TASK 871        |
|                   |                                              | 31-51044         | 31-44 TASK 872        |
|                   |                                              | 31-51411         | 34-61 TASK 913        |
|                   |                                              | 31-51412         | 34-61 TASK 914        |
|                   |                                              | 31-51413         | 34-61 TASK 815        |
|                   |                                              | 31-51414         | 34-61 TASK 889        |
|                   |                                              | 31-51421         | 34-61 TASK 888        |
|                   |                                              | 31-51422         | 34-61 TASK 814        |
|                   |                                              | 31-51423         | 34-61 TASK 815        |
|                   |                                              | 31-51424         | 34-61 TASK 889        |
|                   |                                              | 31-51531         | 31-44 TASK 837        |
|                   |                                              | 31-51532         | 31-44 TASK 838        |
|                   |                                              | 31-51533         | 31-44 TASK 839        |
|                   |                                              | 31-51534         | 31-44 TASK 840        |
|                   |                                              | 31-51731         | 31-44 TASK 841        |

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|-------------------|----------------------------------------------|------------------|-----------------------|
| 315 301 32        | SPD LIM flag shows on PFD - first officer's. | (continued)      |                       |
|                   |                                              | 31-51732         | 31-44 TASK 842        |
|                   |                                              | 31-51733         | 31-44 TASK 843        |
|                   |                                              | 31-51734         | 31-44 TASK 844        |
|                   |                                              | 31-52013         | 31-43 TASK 866        |
|                   |                                              | 31-52014         | 31-43 TASK 867        |
|                   |                                              | 31-52101         | 31-41 TASK 817        |
|                   |                                              | 31-52112         | 31-41 TASK 820        |
|                   |                                              | 31-52121         | 31-41 TASK 821        |
|                   |                                              | 31-52122         | 31-41 TASK 822        |
|                   |                                              | 31-52601         | 31-41 TASK 832        |
|                   |                                              | 31-52602         | 31-41 TASK 833        |
|                   |                                              | 31-54013         | 31-43 TASK 868        |
|                   |                                              | 31-54014         | 31-43 TASK 869        |
|                   |                                              | 31-54101         | 31-41 TASK 834        |
|                   |                                              | 31-54102         | 31-41 TASK 835        |
|                   |                                              | 31-54121         | 31-41 TASK 838        |
|                   |                                              | 31-54122         | 31-41 TASK 839        |
|                   |                                              | 31-54601         | 31-41 TASK 840        |
|                   |                                              | 31-54602         | 31-41 TASK 841        |
|                   |                                              | 31-55401         | 31-41 TASK 840        |
|                   |                                              | 31-55402         | 31-41 TASK 841        |
|                   |                                              | 31-56013         | 31-43 TASK 870        |
|                   |                                              | 31-56014         | 31-43 TASK 871        |
|                   |                                              | 31-56102         | 31-41 TASK 845        |
|                   |                                              | 31-56104         | 31-45 TASK 811        |
|                   |                                              | 31-56111         | 31-41 TASK 846        |
|                   |                                              | 31-56121         | 31-41 TASK 848        |
|                   |                                              | 31-56122         | 31-41 TASK 849        |
|                   |                                              | 31-56601         | 31-41 TASK 842        |
|                   |                                              | 31-56602         | 31-41 TASK 843        |
|                   |                                              | 31-58013         | 31-43 TASK 872        |
|                   |                                              | 31-58014         | 31-43 TASK 873        |
|                   |                                              | 31-58101         | 31-41 TASK 852        |
|                   |                                              | 31-58102         | 31-41 TASK 853        |
|                   |                                              | 31-58121         | 31-41 TASK 856        |

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|-------------------|----------------------------------------------|------------------|-----------------------|
| 315 301 32        | SPD LIM flag shows on PFD - first officer's. | (continued)      |                       |
|                   |                                              | 31-58122         | 31-41 TASK 857        |
|                   |                                              | 31-58601         | 31-41 TASK 992        |
|                   |                                              | 31-58602         | 31-41 TASK 993        |
|                   |                                              | 31-59401         | 31-41 TASK 992        |
|                   |                                              | 31-59402         | 31-41 TASK 993        |
|                   |                                              | 31-61011         | 31-43 TASK 861        |
|                   |                                              | 31-61012         | 31-43 TASK 862        |
|                   |                                              | 31-61020         | 31-43 TASK 863        |
|                   |                                              | 31-61031         | 31-41 TASK 862        |
|                   |                                              | 31-61032         | 31-41 TASK 891        |
|                   |                                              | 31-61041         | 31-43 TASK 835        |
|                   |                                              | 31-61042         | 31-43 TASK 836        |
|                   |                                              | 31-61051         | 31-43 TASK 837        |
|                   |                                              | 31-61052         | 31-43 TASK 838        |
|                   |                                              | 31-61061         | 31-43 TASK 839        |
|                   |                                              | 31-61062         | 31-43 TASK 840        |
|                   |                                              | 31-61071         | 31-43 TASK 841        |
|                   |                                              | 31-61072         | 31-43 TASK 842        |
|                   |                                              | 31-61111         | 31-43 TASK 856        |
|                   |                                              | 31-61112         | 31-43 TASK 856        |
|                   |                                              | 31-61113         | 31-43 TASK 856        |
|                   |                                              | 31-61114         | 31-43 TASK 856        |
|                   |                                              | 31-61115         | 31-43 TASK 856        |
|                   |                                              | 31-61116         | 31-43 TASK 856        |
|                   |                                              | 31-61117         | 31-43 TASK 856        |
|                   |                                              | 31-61118         | 31-43 TASK 856        |
|                   |                                              | 31-62031         | 31-43 TASK 846        |
|                   |                                              | 31-62032         | 31-43 TASK 847        |
|                   |                                              | 31-62041         | 31-43 TASK 848        |
|                   |                                              | 31-62042         | 31-43 TASK 849        |
|                   |                                              | 31-68801         | 31-43 TASK 892        |
|                   |                                              | 31-68802         | 31-43 TASK 893        |
|                   |                                              | 31-68811         | 31-42 TASK 908        |
|                   |                                              | 31-68832         | 31-42 TASK 908        |
|                   |                                              | 31-69101         | 31-42 TASK 801        |

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|-------------------|----------------------------------------------|------------------|-----------------------|
| 315 301 32        | SPD LIM flag shows on PFD - first officer's. | (continued)      |                       |
|                   |                                              | 31-69102         | 31-42 TASK 801        |
|                   |                                              | 31-69107         | 31-42 TASK 804        |
|                   |                                              | 31-69108         | 31-42 TASK 804        |
|                   |                                              | 31-69117         | 31-42 TASK 806        |
|                   |                                              | 31-69118         | 31-42 TASK 806        |
|                   |                                              | 31-69201         | 31-42 TASK 809        |
|                   |                                              | 31-69202         | 31-42 TASK 809        |
|                   |                                              | 31-69209         | 31-42 TASK 812        |
|                   |                                              | 31-69210         | 31-42 TASK 812        |
|                   |                                              | 31-69219         | 31-42 TASK 814        |
|                   |                                              | 31-69220         | 31-42 TASK 814        |
|                   |                                              | 31-69301         | 31-42 TASK 817        |
|                   |                                              | 31-69302         | 31-42 TASK 817        |
|                   |                                              | 31-69311         | 31-42 TASK 820        |
|                   |                                              | 31-69312         | 31-42 TASK 820        |
|                   |                                              | 31-69317         | 31-42 TASK 822        |
|                   |                                              | 31-69318         | 31-42 TASK 822        |
|                   |                                              | 31-69401         | 31-42 TASK 825        |
|                   |                                              | 31-69402         | 31-42 TASK 825        |
|                   |                                              | 31-69439         | 31-42 TASK 840        |
|                   |                                              | 31-69440         | 31-42 TASK 840        |
|                   |                                              | 31-69496         | 31-42 TASK 915        |
|                   |                                              | 31-69497         | 31-42 TASK 915        |
|                   |                                              | 31-69501         | 31-42 TASK 852        |
|                   |                                              | 31-69502         | 31-42 TASK 852        |
|                   |                                              | 31-69539         | 31-42 TASK 855        |
|                   |                                              | 31-69540         | 31-42 TASK 855        |
|                   |                                              | 31-69541         | 31-42 TASK 855        |
|                   |                                              | 31-69542         | 31-42 TASK 855        |
|                   |                                              | 31-69601         | 31-42 TASK 857        |
|                   |                                              | 31-69602         | 31-42 TASK 857        |
|                   |                                              | 31-69641         | 31-42 TASK 870        |
|                   |                                              | 31-69642         | 31-42 TASK 870        |
|                   |                                              | 31-69903         | 31-42 TASK 881        |
|                   |                                              | 31-69904         | 31-42 TASK 881        |

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|-------------------|----------------------------------------------|------------------|-----------------------|
| 315 301 32        | SPD LIM flag shows on PFD - first officer's. | (continued)      |                       |
|                   |                                              | 31-69905         | 31-42 TASK 881        |
|                   |                                              | 31-69906         | 31-42 TASK 881        |
|                   |                                              | 31-69965         | 31-42 TASK 897        |
|                   |                                              | 31-69966         | 31-42 TASK 897        |
|                   |                                              | 31-69973         | 31-42 TASK 899        |
|                   |                                              | 31-69974         | 31-42 TASK 899        |
|                   |                                              | 31-69975         | 31-42 TASK 899        |
|                   |                                              | 31-69976         | 31-42 TASK 899        |
|                   |                                              | 31-69977         | 31-42 TASK 899        |
|                   |                                              | 31-69978         | 31-42 TASK 899        |
|                   |                                              | 31-70011         | 31-51 TASK 801        |
|                   |                                              | 31-70012         | 31-51 TASK 821        |
|                   |                                              | 31-70021         | 31-51 TASK 802        |
|                   |                                              | 31-70022         | 31-51 TASK 822        |
|                   |                                              | 31-78801         | 31-51 TASK 801        |
|                   |                                              | 31-78802         | 31-51 TASK 821        |
|                   |                                              | 31-78841         | 31-51 TASK 825        |
|                   |                                              | 31-78851         | 31-51 TASK 826        |
|                   |                                              | 31-78852         | 31-51 TASK 898        |
|                   |                                              | 31-78862         | 31-51 TASK 827        |
|                   |                                              | 31-79401         | 31-51 TASK 804        |
|                   |                                              | 31-79402         | 31-51 TASK 805        |
|                   |                                              | 31-79437         | 31-51 TASK 815        |
|                   |                                              | 31-79439         | 31-51 TASK 816        |
|                   |                                              | 31-79501         | 31-51 TASK 836        |
|                   |                                              | 31-79502         | 31-51 TASK 837        |
|                   |                                              | 31-79503         | 31-51 TASK 838        |
|                   |                                              | 31-79504         | 31-51 TASK 839        |
|                   |                                              | 31-79537         | 31-51 TASK 852        |
|                   |                                              | 31-79539         | 31-51 TASK 854        |
|                   |                                              | 31-79542         | 31-51 TASK 857        |
|                   |                                              | 31-79544         | 31-51 TASK 859        |
|                   |                                              | 31-79603         | 31-51 TASK 860        |
|                   |                                              | 31-79604         | 31-51 TASK 861        |
|                   |                                              | 31-79642         | 31-51 TASK 872        |

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|-------------------|----------------------------------------------|------------------|-----------------------|
| 315 301 32        | SPD LIM flag shows on PFD - first officer's. | (continued)      |                       |
|                   |                                              | 31-79644         | 31-51 TASK 873        |
|                   |                                              | 31-85128         | 31-98 TASK 801        |
|                   |                                              | 31-89417         | 31-42 TASK 915        |
|                   |                                              | 31-89418         | 31-42 TASK 915        |
|                   |                                              | 31-89617         | 31-42 TASK 916        |
|                   |                                              | 31-89618         | 31-42 TASK 916        |
|                   |                                              | 31-89619         | 31-42 TASK 916        |
|                   |                                              | 31-89620         | 31-42 TASK 916        |
|                   |                                              | 34-25101         | 34-11 TASK 801        |
|                   |                                              | 34-25102         | 34-11 TASK 802        |
|                   |                                              | 34-25103         | 34-11 TASK 803        |
|                   |                                              | 34-25201         | 34-11 TASK 804        |
|                   |                                              | 34-25202         | 34-11 TASK 805        |
|                   |                                              | 34-25203         | 34-11 TASK 806        |
|                   |                                              | 34-25601         | 34-21 TASK 808        |
|                   |                                              | 34-25603         | 34-21 TASK 885        |
|                   |                                              | 34-26101         | 34-21 TASK 810        |
|                   |                                              | 34-26102         | 34-21 TASK 839        |
|                   |                                              | 34-26103         | 34-21 TASK 840        |
|                   |                                              | 34-26201         | 34-21 TASK 843        |
|                   |                                              | 34-26202         | 34-21 TASK 844        |
|                   |                                              | 34-26203         | 34-21 TASK 845        |
|                   |                                              | 34-28801         | 34-21 TASK 848        |
|                   |                                              | 34-28810         | 34-21 TASK 849        |
|                   |                                              | 34-28813         | 34-21 TASK 813        |
|                   |                                              | 34-28816         | 34-21 TASK 814        |
|                   |                                              | 34-28824         | 34-21 TASK 850        |
|                   |                                              | 34-28827         | 34-21 TASK 851        |
|                   |                                              | 34-28830         | 34-21 TASK 852        |
|                   |                                              | 34-28835         | 34-21 TASK 853        |
|                   |                                              | 34-28838         | 34-21 TASK 854        |
|                   |                                              | 34-29101         | 34-21 TASK 893        |
|                   |                                              | 34-29102         | 34-21 TASK 815        |
|                   |                                              | 34-29105         | 34-21 TASK 816        |
|                   |                                              | 34-29107         | 34-21 TASK 817        |

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|-------------------|----------------------------------------------|------------------|-----------------------|
| 315 301 32        | SPD LIM flag shows on PFD - first officer's. | (continued)      |                       |
|                   |                                              | 34-29115         | 34-21 TASK 857        |
|                   |                                              | 34-29120         | 34-21 TASK 894        |
|                   |                                              | 34-29201         | 34-21 TASK 858        |
|                   |                                              | 34-29202         | 34-21 TASK 859        |
|                   |                                              | 34-29204         | 34-21 TASK 860        |
|                   |                                              | 34-29216         | 34-21 TASK 862        |
|                   |                                              | 34-29301         | 34-21 TASK 895        |
|                   |                                              | 34-29303         | 34-21 TASK 864        |
|                   |                                              | 34-29306         | 34-21 TASK 865        |
|                   |                                              | 34-29308         | 34-21 TASK 866        |
|                   |                                              | 34-29317         | 34-21 TASK 869        |
|                   |                                              | 34-29320         | 34-21 TASK 896        |
|                   |                                              | 34-30700         | 34-21 TASK 870        |
|                   |                                              | 34-30711         | 34-21 TASK 818        |
|                   |                                              | 34-30712         | 34-21 TASK 871        |
|                   |                                              | 34-30713         | 34-21 TASK 872        |
|                   |                                              | 34-30760         | 34-21 TASK 819        |
|                   |                                              | 34-31601         | 34-21 TASK 821        |
|                   |                                              | 34-32601         | 34-21 TASK 822        |
|                   |                                              | 34-34603         | 34-21 TASK 887        |
|                   |                                              | 34-35603         | 34-21 TASK 888        |
|                   |                                              | 34-38310         | 34-21 TASK 819        |
|                   |                                              | 34-38801         | 34-21 TASK 874        |
|                   |                                              | 34-38820         | 34-21 TASK 898        |
|                   |                                              | 34-39101         | 34-21 TASK 825        |
|                   |                                              | 34-39103         | 34-21 TASK 826        |
|                   |                                              | 34-39106         | 34-21 TASK 827        |
|                   |                                              | 34-39111         | 34-21 TASK 828        |
|                   |                                              | 34-39201         | 34-21 TASK 871        |
|                   |                                              | 34-39204         | 34-21 TASK 876        |
|                   |                                              | 34-39207         | 34-21 TASK 877        |
|                   |                                              | 34-39301         | 34-21 TASK 879        |
|                   |                                              | 34-39305         | 34-21 TASK 880        |
|                   |                                              | 34-39308         | 34-21 TASK 881        |
|                   |                                              | 34-39312         | 34-21 TASK 882        |

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|-------------------|----------------------------------------------------------------|------------------|-----------------------|
| 315 301 32        | SPD LIM flag shows on PFD - first officer's.                   | (continued)      |                       |
|                   |                                                                | 34-42011         | 34-33 TASK 801        |
|                   |                                                                | 34-42012         | 34-33 TASK 801        |
|                   |                                                                | 34-42013         | 34-33 TASK 801        |
|                   |                                                                | 34-42021         | 34-33 TASK 802        |
|                   |                                                                | 34-42022         | 34-33 TASK 812        |
|                   |                                                                | 34-42023         | 34-33 TASK 813        |
|                   |                                                                | 34-42031         | 34-33 TASK 814        |
|                   |                                                                | 34-42032         | 34-33 TASK 815        |
|                   |                                                                | 34-42033         | 34-33 TASK 816        |
|                   |                                                                | 34-42801         | 34-33 TASK 801        |
|                   |                                                                | 34-42802         | 34-33 TASK 801        |
|                   |                                                                | 34-42803         | 34-33 TASK 801        |
|                   |                                                                | 34-42891         | 34-33 TASK 803        |
|                   |                                                                | 34-42892         | 34-33 TASK 804        |
|                   |                                                                | 34-42893         | 34-33 TASK 805        |
|                   |                                                                | 34-46891         | 34-46 TASK 803        |
|                   |                                                                | 34-71011         | 34-61 TASK 905        |
|                   |                                                                | 34-71012         | 34-61 TASK 906        |
|                   |                                                                | 34-71060         | 34-90 TASK 801        |
| 315 499 00        | VMO GEAR DOWN (EICAS MEMO)                                     |                  | 31-51 TASK 957        |
| 315 611 41        | Aural warning speaker (flight deck): does not operate - left.  |                  | 31-51 TASK 969        |
| 315 611 42        | Aural warning speaker (flight deck): does not operate - right. |                  | 31-51 TASK 970        |
| 315 621 00        | V1 aural warning: does not operate during takeoff.             |                  | 31-51 TASK 988        |
| 316 002 00        | BARO SET DISAGREE (EICAS ADVISORY)                             |                  | 31-61 TASK 944        |
| 316 011 00        | SGL SOURCE AIR DATA (EICAS ADVISORY)                           |                  | 31-61 TASK 945        |
| 316 012 00        | SINGLE SOURCE F/D (EICAS ADVISORY)                             | 22-18801         | 22-13 TASK 815        |
|                   |                                                                | 22-18802         | 22-13 TASK 815        |
|                   |                                                                | 22-18803         | 22-13 TASK 815        |
|                   |                                                                | 22-18841         | 22-18 TASK 802        |
|                   |                                                                | 22-18852         | 22-18 TASK 808        |
|                   |                                                                | 22-18863         | 22-18 TASK 809        |
|                   |                                                                | 23-81004         | 23-91 TASK 804        |
|                   |                                                                | 23-81005         | 23-91 TASK 805        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 316 012 00        | SINGLE SOURCE F/D (EICAS ADVISORY)  | (continued)      |                       |
|                   |                                     | 23-81006         | 23-91 TASK 806        |
|                   |                                     | 24-11787         | 24-32 TASK 817        |
|                   |                                     | 24-12056         | 24-32 TASK 820        |
|                   |                                     | 24-13816         | 24-32 TASK 831        |
|                   |                                     | 31-54013         | 31-43 TASK 868        |
|                   |                                     | 31-54014         | 31-43 TASK 869        |
|                   |                                     | 31-54121         | 31-41 TASK 838        |
|                   |                                     | 31-54122         | 31-41 TASK 839        |
|                   |                                     | 31-56013         | 31-43 TASK 870        |
|                   |                                     | 31-56014         | 31-43 TASK 871        |
|                   |                                     | 31-56121         | 31-41 TASK 848        |
|                   |                                     | 31-56122         | 31-41 TASK 849        |
|                   |                                     | 31-58013         | 31-43 TASK 872        |
|                   |                                     | 31-58014         | 31-43 TASK 873        |
|                   |                                     | 31-58121         | 31-41 TASK 856        |
|                   |                                     | 31-58122         | 31-41 TASK 857        |
|                   |                                     | 31-69401         | 31-42 TASK 825        |
|                   |                                     | 31-69402         | 31-42 TASK 825        |
|                   |                                     | 31-69407         | 31-42 TASK 827        |
|                   |                                     | 31-69408         | 31-42 TASK 827        |
|                   |                                     | 31-69501         | 31-42 TASK 852        |
|                   |                                     | 31-69502         | 31-42 TASK 852        |
|                   |                                     | 31-69507         | 31-42 TASK 853        |
|                   |                                     | 31-69508         | 31-42 TASK 853        |
|                   |                                     | 31-69601         | 31-42 TASK 857        |
|                   |                                     | 31-69602         | 31-42 TASK 857        |
|                   |                                     | 31-69607         | 31-42 TASK 859        |
|                   |                                     | 31-69608         | 31-42 TASK 859        |
| 316 013 00        | SGL SOURCE RAD ALT (EICAS ADVISORY) | 24-11784         | 24-51 TASK 836        |
|                   |                                     | 24-12126         | 24-51 TASK 841        |
|                   |                                     | 24-13817         | 24-33 TASK 818        |
|                   |                                     | 31-69973         | 31-42 TASK 899        |
|                   |                                     | 31-69974         | 31-42 TASK 899        |
|                   |                                     | 31-69975         | 31-42 TASK 899        |
|                   |                                     | 31-69976         | 31-42 TASK 899        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 316 013 00        | SGL SOURCE RAD ALT (EICAS ADVISORY) | (continued)      |                       |
|                   |                                     | 31-69977         | 31-42 TASK 899        |
|                   |                                     | 31-69978         | 31-42 TASK 899        |
|                   |                                     | 34-42011         | 34-33 TASK 801        |
|                   |                                     | 34-42012         | 34-33 TASK 801        |
|                   |                                     | 34-42013         | 34-33 TASK 801        |
|                   |                                     | 34-42021         | 34-33 TASK 802        |
|                   |                                     | 34-42022         | 34-33 TASK 812        |
|                   |                                     | 34-42023         | 34-33 TASK 813        |
|                   |                                     | 34-42031         | 34-33 TASK 814        |
|                   |                                     | 34-42032         | 34-33 TASK 815        |
|                   |                                     | 34-42033         | 34-33 TASK 816        |
|                   |                                     | 34-42801         | 34-33 TASK 801        |
|                   |                                     | 34-42802         | 34-33 TASK 801        |
|                   |                                     | 34-42803         | 34-33 TASK 801        |
|                   |                                     | 34-42891         | 34-33 TASK 803        |
|                   |                                     | 34-42892         | 34-33 TASK 804        |
|                   |                                     | 34-42893         | 34-33 TASK 805        |
| 316 014 00        | SGL SOURCE DISPLAYS (EICAS CAUTION) | 31-50011         | 31-44 TASK 801        |
|                   |                                     | 31-50012         | 31-44 TASK 802        |
|                   |                                     | 31-50091         | 31-44 TASK 819        |
|                   |                                     | 31-50092         | 31-44 TASK 820        |
|                   |                                     | 31-51033         | 31-44 TASK 869        |
|                   |                                     | 31-51034         | 31-44 TASK 870        |
|                   |                                     | 31-51043         | 31-44 TASK 871        |
|                   |                                     | 31-51044         | 31-44 TASK 872        |
|                   |                                     | 31-51561         | 31-61 TASK 940        |
|                   |                                     | 31-51562         | 31-61 TASK 802        |
|                   |                                     | 31-51563         | 31-61 TASK 803        |
|                   |                                     | 31-51564         | 31-61 TASK 804        |
|                   |                                     | 31-51571         | 31-61 TASK 940        |
|                   |                                     | 31-51572         | 31-61 TASK 802        |
|                   |                                     | 31-51573         | 31-61 TASK 803        |
|                   |                                     | 31-51574         | 31-61 TASK 804        |
|                   |                                     | 31-51761         | 31-61 TASK 805        |
|                   |                                     | 31-51762         | 31-61 TASK 806        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 316 014 00        | SGL SOURCE DISPLAYS (EICAS CAUTION) | (continued)      |                       |
|                   |                                     | 31-51763         | 31-61 TASK 807        |
|                   |                                     | 31-51764         | 31-61 TASK 808        |
|                   |                                     | 31-51771         | 31-61 TASK 805        |
|                   |                                     | 31-51772         | 31-61 TASK 806        |
|                   |                                     | 31-51773         | 31-61 TASK 807        |
|                   |                                     | 31-51774         | 31-61 TASK 808        |
|                   |                                     | 31-68801         | 31-43 TASK 892        |
|                   |                                     | 31-68802         | 31-43 TASK 893        |
|                   |                                     | 31-80020         | 31-61 TASK 829        |
|                   |                                     | 31-81011         | 31-61 TASK 811        |
|                   |                                     | 31-81012         | 31-61 TASK 812        |
|                   |                                     | 31-81041         | 31-61 TASK 803        |
|                   |                                     | 31-81042         | 31-61 TASK 804        |
|                   |                                     | 31-82011         | 31-61 TASK 814        |
|                   |                                     | 31-82012         | 31-61 TASK 831        |
|                   |                                     | 31-82041         | 31-61 TASK 807        |
|                   |                                     | 31-82042         | 31-61 TASK 808        |
|                   |                                     | 31-83111         | 31-61 TASK 905        |
|                   |                                     | 31-83112         | 31-61 TASK 906        |
|                   |                                     | 31-83113         | 31-61 TASK 867        |
|                   |                                     | 31-83114         | 31-61 TASK 907        |
|                   |                                     | 31-83121         | 31-61 TASK 867        |
|                   |                                     | 31-83122         | 31-61 TASK 908        |
|                   |                                     | 31-83123         | 31-61 TASK 909        |
|                   |                                     | 31-83124         | 31-61 TASK 910        |
|                   |                                     | 31-83131         | 31-61 TASK 911        |
|                   |                                     | 31-83132         | 31-61 TASK 912        |
|                   |                                     | 31-83133         | 31-61 TASK 913        |
|                   |                                     | 31-83134         | 31-61 TASK 869        |
|                   |                                     | 31-83141         | 31-61 TASK 914        |
|                   |                                     | 31-83142         | 31-61 TASK 869        |
|                   |                                     | 31-83143         | 31-61 TASK 915        |
|                   |                                     | 31-83144         | 31-61 TASK 916        |
| 316 015 00        | DISPLAY SELECT PNL (EICAS ADVISORY) |                  | 31-61 TASK 946        |
| 316 021 31        | ALTN ATTITUDE (EICAS ADVISORY)      |                  | 31-61 TASK 947        |

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|-------------------|-----------------------------------------|------------------|-----------------------|
| 316 031 31        | TCAS RA CAPTAIN (EICAS ADVISORY)        | 34-45810         | 34-45 TASK 822        |
| 316 031 32        | TCAS RA F/O (EICAS ADVISORY)            | 34-45820         | 34-45 TASK 823        |
| 316 042 00        | CHECKLIST SYS (EICAS STATUS)            | 31-80010         | 31-61 TASK 829        |
|                   |                                         | 31-81001         | 31-61 TASK 811        |
|                   |                                         | 31-81002         | 31-61 TASK 812        |
|                   |                                         | 31-81021         | 31-61 TASK 951        |
|                   |                                         | 31-81022         | 31-61 TASK 952        |
|                   |                                         | 31-81031         | 31-61 TASK 957        |
|                   |                                         | 31-81032         | 31-61 TASK 958        |
|                   |                                         | 31-82001         | 31-61 TASK 814        |
|                   |                                         | 31-82002         | 31-61 TASK 831        |
|                   |                                         | 31-82021         | 31-61 TASK 953        |
|                   |                                         | 31-82022         | 31-61 TASK 954        |
|                   |                                         | 31-82031         | 31-61 TASK 959        |
|                   |                                         | 31-82032         | 31-61 TASK 960        |
| 316 043 00        | CHKL INCOMPLETE NORM<br>(EICAS CAUTION) |                  | 31-61 TASK 964        |
| 316 051 41        | CURSOR CONTROL L (EICAS STATUS)         | 24-13815         | 24-61 TASK 806        |
|                   |                                         | 31-88897         | 31-61 TASK 809        |
|                   |                                         | 31-89937         | 31-61 TASK 859        |
|                   |                                         | 31-89938         | 31-61 TASK 860        |
| 316 051 42        | CURSOR CONTROL R (EICAS STATUS)         | 24-12051         | 24-32 TASK 819        |
|                   |                                         | 31-88898         | 31-61 TASK 810        |
|                   |                                         | 31-89941         | 31-61 TASK 861        |
|                   |                                         | 31-89942         | 31-61 TASK 862        |
| 316 061 00        | DISPLAY RESOURCES (EICAS STATUS)        | 24-11787         | 24-32 TASK 817        |
|                   |                                         | 24-12051         | 24-32 TASK 819        |
|                   |                                         | 24-12056         | 24-32 TASK 820        |
|                   |                                         | 24-13815         | 24-61 TASK 806        |
|                   |                                         | 31-50011         | 31-44 TASK 801        |
|                   |                                         | 31-50012         | 31-44 TASK 802        |
|                   |                                         | 31-50017         | 31-44 TASK 823        |
|                   |                                         | 31-50018         | 31-44 TASK 824        |
|                   |                                         | 31-50027         | 31-44 TASK 825        |
|                   |                                         | 31-50028         | 31-44 TASK 826        |
|                   |                                         | 31-50087         | 31-45 TASK 806        |

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|-------------------|----------------------------------|------------------|-----------------------|
| 316 061 00        | DISPLAY RESOURCES (EICAS STATUS) | (continued)      |                       |
|                   |                                  | 31-50088         | 31-45 TASK 807        |
|                   |                                  | 31-50091         | 31-44 TASK 819        |
|                   |                                  | 31-50092         | 31-44 TASK 820        |
|                   |                                  | 31-50097         | 31-45 TASK 806        |
|                   |                                  | 31-50098         | 31-45 TASK 807        |
|                   |                                  | 31-50201         | 31-43 TASK 852        |
|                   |                                  | 31-50202         | 31-43 TASK 853        |
|                   |                                  | 31-50417         | 31-44 TASK 884        |
|                   |                                  | 31-50418         | 31-44 TASK 885        |
|                   |                                  | 31-50427         | 31-44 TASK 886        |
|                   |                                  | 31-50428         | 31-44 TASK 887        |
|                   |                                  | 31-50437         | 31-44 TASK 888        |
|                   |                                  | 31-50438         | 31-44 TASK 889        |
|                   |                                  | 31-50447         | 31-44 TASK 890        |
|                   |                                  | 31-50448         | 31-44 TASK 891        |
|                   |                                  | 31-50517         | 31-45 TASK 806        |
|                   |                                  | 31-50518         | 31-45 TASK 807        |
|                   |                                  | 31-50527         | 31-45 TASK 806        |
|                   |                                  | 31-50528         | 31-45 TASK 807        |
|                   |                                  | 31-50537         | 31-45 TASK 806        |
|                   |                                  | 31-50538         | 31-45 TASK 807        |
|                   |                                  | 31-50547         | 31-45 TASK 806        |
|                   |                                  | 31-50548         | 31-45 TASK 807        |
|                   |                                  | 31-51033         | 31-44 TASK 869        |
|                   |                                  | 31-51034         | 31-44 TASK 870        |
|                   |                                  | 31-51035         | 31-43 TASK 805        |
|                   |                                  | 31-51036         | 31-43 TASK 806        |
|                   |                                  | 31-51037         | 31-43 TASK 805        |
|                   |                                  | 31-51038         | 31-43 TASK 806        |
|                   |                                  | 31-51043         | 31-44 TASK 871        |
|                   |                                  | 31-51044         | 31-44 TASK 872        |
|                   |                                  | 31-51045         | 31-43 TASK 807        |
|                   |                                  | 31-51046         | 31-43 TASK 808        |
|                   |                                  | 31-51047         | 31-43 TASK 807        |
|                   |                                  | 31-51048         | 31-43 TASK 808        |

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|-------------------|----------------------------------|------------------|-----------------------|
| 316 061 00        | DISPLAY RESOURCES (EICAS STATUS) | (continued)      |                       |
|                   |                                  | 31-51517         | 31-44 TASK 861        |
|                   |                                  | 31-51518         | 31-44 TASK 862        |
|                   |                                  | 31-51527         | 31-44 TASK 857        |
|                   |                                  | 31-51528         | 31-44 TASK 858        |
|                   |                                  | 31-51561         | 31-61 TASK 940        |
|                   |                                  | 31-51562         | 31-61 TASK 802        |
|                   |                                  | 31-51563         | 31-61 TASK 803        |
|                   |                                  | 31-51564         | 31-61 TASK 804        |
|                   |                                  | 31-51571         | 31-61 TASK 940        |
|                   |                                  | 31-51572         | 31-61 TASK 802        |
|                   |                                  | 31-51573         | 31-61 TASK 803        |
|                   |                                  | 31-51574         | 31-61 TASK 804        |
|                   |                                  | 31-51717         | 31-44 TASK 861        |
|                   |                                  | 31-51718         | 31-44 TASK 862        |
|                   |                                  | 31-51727         | 31-44 TASK 859        |
|                   |                                  | 31-51728         | 31-44 TASK 860        |
|                   |                                  | 31-51761         | 31-61 TASK 805        |
|                   |                                  | 31-51762         | 31-61 TASK 806        |
|                   |                                  | 31-51763         | 31-61 TASK 807        |
|                   |                                  | 31-51764         | 31-61 TASK 808        |
|                   |                                  | 31-51771         | 31-61 TASK 805        |
|                   |                                  | 31-51772         | 31-61 TASK 806        |
|                   |                                  | 31-51773         | 31-61 TASK 807        |
|                   |                                  | 31-51774         | 31-61 TASK 808        |
|                   |                                  | 31-68801         | 31-43 TASK 892        |
|                   |                                  | 31-68802         | 31-43 TASK 893        |
|                   |                                  | 31-80020         | 31-61 TASK 829        |
|                   |                                  | 31-81011         | 31-61 TASK 811        |
|                   |                                  | 31-81012         | 31-61 TASK 812        |
|                   |                                  | 31-81041         | 31-61 TASK 803        |
|                   |                                  | 31-81042         | 31-61 TASK 804        |
|                   |                                  | 31-81051         | 31-61 TASK 940        |
|                   |                                  | 31-81052         | 31-61 TASK 802        |
|                   |                                  | 31-81081         | 31-61 TASK 813        |
|                   |                                  | 31-81082         | 31-61 TASK 830        |

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|-------------------|-------------------------------------|------------------|-----------------------|
| 316 061 00        | DISPLAY RESOURCES (EICAS STATUS)    | (continued)      |                       |
|                   |                                     | 31-82011         | 31-61 TASK 814        |
|                   |                                     | 31-82012         | 31-61 TASK 831        |
|                   |                                     | 31-82041         | 31-61 TASK 807        |
|                   |                                     | 31-82042         | 31-61 TASK 808        |
|                   |                                     | 31-82051         | 31-61 TASK 805        |
|                   |                                     | 31-82052         | 31-61 TASK 806        |
|                   |                                     | 31-82081         | 31-61 TASK 815        |
|                   |                                     | 31-82082         | 31-61 TASK 832        |
|                   |                                     | 31-83111         | 31-61 TASK 905        |
|                   |                                     | 31-83112         | 31-61 TASK 906        |
|                   |                                     | 31-83113         | 31-61 TASK 867        |
|                   |                                     | 31-83114         | 31-61 TASK 907        |
|                   |                                     | 31-83121         | 31-61 TASK 867        |
|                   |                                     | 31-83122         | 31-61 TASK 908        |
|                   |                                     | 31-83123         | 31-61 TASK 909        |
|                   |                                     | 31-83124         | 31-61 TASK 910        |
|                   |                                     | 31-83131         | 31-61 TASK 911        |
|                   |                                     | 31-83132         | 31-61 TASK 912        |
|                   |                                     | 31-83133         | 31-61 TASK 913        |
|                   |                                     | 31-83134         | 31-61 TASK 869        |
|                   |                                     | 31-83141         | 31-61 TASK 914        |
|                   |                                     | 31-83142         | 31-61 TASK 869        |
|                   |                                     | 31-83143         | 31-61 TASK 915        |
|                   |                                     | 31-83144         | 31-61 TASK 916        |
| 316 071 41        | EFIS CONTROL PNL L (EICAS ADVISORY) | 24-13815         | 24-61 TASK 806        |
|                   |                                     | 31-54014         | 31-43 TASK 869        |
|                   |                                     | 31-54262         | 31-41 TASK 917        |
|                   |                                     | 31-55702         | 31-41 TASK 841        |
|                   |                                     | 31-88899         | 31-61 TASK 838        |
|                   |                                     | 31-89929         | 31-61 TASK 855        |
|                   |                                     | 31-89930         | 31-61 TASK 856        |
| 316 071 42        | EFIS CONTROL PNL R (EICAS ADVISORY) | 24-12051         | 24-32 TASK 819        |
|                   |                                     | 31-54013         | 31-43 TASK 868        |
|                   |                                     | 31-54271         | 31-41 TASK 916        |
|                   |                                     | 31-55711         | 31-41 TASK 840        |

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|-------------------|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 316 071 42        | EFIS CONTROL PNL R (EICAS ADVISORY)                     | (continued)<br>31-88890<br>31-89933<br>31-89934                                                                                                                                  | 31-61 TASK 833<br>31-61 TASK 857<br>31-61 TASK 858                                                                                                                                                                                                                         |
| 316 072 41        | EFIS CONTROL PNL L (EICAS STATUS)                       | 24-13815<br>31-54014<br>31-54262<br>31-55702<br>31-88899<br>31-89929<br>31-89930                                                                                                 | 24-61 TASK 806<br>31-43 TASK 869<br>31-41 TASK 917<br>31-41 TASK 841<br>31-61 TASK 838<br>31-61 TASK 855<br>31-61 TASK 856                                                                                                                                                 |
| 316 072 42        | EFIS CONTROL PNL R (EICAS STATUS)                       | 24-12051<br>31-54013<br>31-54271<br>31-55711<br>31-88890<br>31-89933<br>31-89934                                                                                                 | 24-32 TASK 819<br>31-43 TASK 868<br>31-41 TASK 916<br>31-41 TASK 840<br>31-61 TASK 833<br>31-61 TASK 857<br>31-61 TASK 858                                                                                                                                                 |
| 316 081 00        | REMOTE LIGHT SENSOR (EICAS STATUS)                      | 31-80171<br>31-80172                                                                                                                                                             | 31-61 TASK 892<br>31-61 TASK 893                                                                                                                                                                                                                                           |
| 316 481 41        | Maintenance memo shows on the MAT: DISPLAY-1 IN L AIMS. | 23-81001<br>23-81002<br>23-81003<br>23-81004<br>23-81005<br>23-81006<br>23-81007<br>24-11787<br>24-12051<br>24-12056<br>24-13815<br>31-50011<br>31-50012<br>31-50017<br>31-50018 | 23-91 TASK 801<br>23-91 TASK 802<br>23-91 TASK 803<br>23-91 TASK 804<br>23-91 TASK 805<br>23-91 TASK 806<br>23-91 TASK 807<br>24-32 TASK 817<br>24-32 TASK 819<br>24-32 TASK 820<br>24-61 TASK 806<br>31-44 TASK 801<br>31-44 TASK 802<br>31-44 TASK 823<br>31-44 TASK 824 |

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|-------------------|------------------------------------------------------------|------------------|-----------------------|
| 316 481 41        | Maintenance memo shows on the<br>MAT: DISPLAY-1 IN L AIMS. | (continued)      |                       |
|                   |                                                            | 31-50027         | 31-44 TASK 825        |
|                   |                                                            | 31-50028         | 31-44 TASK 826        |
|                   |                                                            | 31-50091         | 31-44 TASK 819        |
|                   |                                                            | 31-50092         | 31-44 TASK 820        |
|                   |                                                            | 31-50101         | 31-43 TASK 865        |
|                   |                                                            | 31-50102         | 31-43 TASK 865        |
|                   |                                                            | 31-50111         | 31-43 TASK 865        |
|                   |                                                            | 31-50112         | 31-43 TASK 865        |
|                   |                                                            | 31-50121         | 31-43 TASK 865        |
|                   |                                                            | 31-50122         | 31-43 TASK 865        |
|                   |                                                            | 31-50131         | 31-43 TASK 865        |
|                   |                                                            | 31-50132         | 31-43 TASK 865        |
|                   |                                                            | 31-50191         | 31-43 TASK 875        |
|                   |                                                            | 31-50192         | 31-43 TASK 875        |
|                   |                                                            | 31-50201         | 31-43 TASK 852        |
|                   |                                                            | 31-50202         | 31-43 TASK 853        |
|                   |                                                            | 31-51033         | 31-44 TASK 869        |
|                   |                                                            | 31-51034         | 31-44 TASK 870        |
|                   |                                                            | 31-51035         | 31-43 TASK 805        |
|                   |                                                            | 31-51036         | 31-43 TASK 806        |
|                   |                                                            | 31-51037         | 31-43 TASK 805        |
|                   |                                                            | 31-51038         | 31-43 TASK 806        |
|                   |                                                            | 31-51043         | 31-44 TASK 871        |
|                   |                                                            | 31-51044         | 31-44 TASK 872        |
|                   |                                                            | 31-51045         | 31-43 TASK 807        |
|                   |                                                            | 31-51046         | 31-43 TASK 808        |
|                   |                                                            | 31-51047         | 31-43 TASK 807        |
|                   |                                                            | 31-51048         | 31-43 TASK 808        |
|                   |                                                            | 31-51517         | 31-44 TASK 861        |
|                   |                                                            | 31-51518         | 31-44 TASK 862        |
|                   |                                                            | 31-51527         | 31-44 TASK 857        |
|                   |                                                            | 31-51528         | 31-44 TASK 858        |
|                   |                                                            | 31-51561         | 31-61 TASK 940        |
|                   |                                                            | 31-51562         | 31-61 TASK 802        |

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|-------------------|------------------------------------------------------------|------------------|-----------------------|
| 316 481 41        | Maintenance memo shows on the<br>MAT: DISPLAY-1 IN L AIMS. | (continued)      |                       |
|                   |                                                            | 31-51563         | 31-61 TASK 803        |
|                   |                                                            | 31-51564         | 31-61 TASK 804        |
|                   |                                                            | 31-51571         | 31-61 TASK 940        |
|                   |                                                            | 31-51572         | 31-61 TASK 802        |
|                   |                                                            | 31-51573         | 31-61 TASK 803        |
|                   |                                                            | 31-51574         | 31-61 TASK 804        |
|                   |                                                            | 31-51717         | 31-44 TASK 861        |
|                   |                                                            | 31-51718         | 31-44 TASK 862        |
|                   |                                                            | 31-51727         | 31-44 TASK 859        |
|                   |                                                            | 31-51728         | 31-44 TASK 860        |
|                   |                                                            | 31-51761         | 31-61 TASK 805        |
|                   |                                                            | 31-51762         | 31-61 TASK 806        |
|                   |                                                            | 31-51763         | 31-61 TASK 807        |
|                   |                                                            | 31-51764         | 31-61 TASK 808        |
|                   |                                                            | 31-51771         | 31-61 TASK 805        |
|                   |                                                            | 31-51772         | 31-61 TASK 806        |
|                   |                                                            | 31-51773         | 31-61 TASK 807        |
|                   |                                                            | 31-51774         | 31-61 TASK 808        |
|                   |                                                            | 31-52013         | 31-43 TASK 866        |
|                   |                                                            | 31-52014         | 31-43 TASK 867        |
|                   |                                                            | 31-52015         | 31-44 TASK 845        |
|                   |                                                            | 31-52016         | 31-44 TASK 846        |
|                   |                                                            | 31-52101         | 31-41 TASK 817        |
|                   |                                                            | 31-52102         | 31-41 TASK 818        |
|                   |                                                            | 31-52111         | 31-41 TASK 819        |
|                   |                                                            | 31-52112         | 31-41 TASK 820        |
|                   |                                                            | 31-52114         | 31-45 TASK 809        |
|                   |                                                            | 31-52117         | 31-44 TASK 855        |
|                   |                                                            | 31-52118         | 31-44 TASK 856        |
|                   |                                                            | 31-52121         | 31-41 TASK 821        |
|                   |                                                            | 31-52122         | 31-41 TASK 822        |
|                   |                                                            | 31-52127         | 31-44 TASK 857        |
|                   |                                                            | 31-52128         | 31-44 TASK 858        |
|                   |                                                            | 31-52301         | 31-41 TASK 914        |

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|-------------------|------------------------------------------------------------|------------------|-----------------------|
| 316 481 41        | Maintenance memo shows on the<br>MAT: DISPLAY-1 IN L AIMS. | (continued)      |                       |
|                   |                                                            | 31-52302         | 31-41 TASK 915        |
|                   |                                                            | 31-52331         | 31-41 TASK 914        |
|                   |                                                            | 31-52332         | 31-41 TASK 915        |
|                   |                                                            | 31-52341         | 31-41 TASK 914        |
|                   |                                                            | 31-52351         | 31-41 TASK 914        |
|                   |                                                            | 31-52352         | 31-41 TASK 915        |
|                   |                                                            | 31-52361         | 31-41 TASK 914        |
|                   |                                                            | 31-52362         | 31-41 TASK 915        |
|                   |                                                            | 31-52371         | 31-41 TASK 914        |
|                   |                                                            | 31-52372         | 31-41 TASK 915        |
|                   |                                                            | 31-52381         | 31-41 TASK 914        |
|                   |                                                            | 31-52382         | 31-41 TASK 915        |
|                   |                                                            | 31-52391         | 31-41 TASK 914        |
|                   |                                                            | 31-52392         | 31-41 TASK 915        |
|                   |                                                            | 31-52402         | 31-41 TASK 915        |
|                   |                                                            | 31-52411         | 31-41 TASK 914        |
|                   |                                                            | 31-52412         | 31-41 TASK 915        |
|                   |                                                            | 31-52421         | 31-41 TASK 914        |
|                   |                                                            | 31-52422         | 31-41 TASK 915        |
|                   |                                                            | 31-52431         | 31-41 TASK 914        |
|                   |                                                            | 31-52432         | 31-41 TASK 915        |
|                   |                                                            | 31-52441         | 31-41 TASK 914        |
|                   |                                                            | 31-52442         | 31-41 TASK 915        |
|                   |                                                            | 31-52451         | 31-41 TASK 914        |
|                   |                                                            | 31-52452         | 31-41 TASK 918        |
|                   |                                                            | 31-52461         | 31-41 TASK 914        |
|                   |                                                            | 31-52462         | 31-41 TASK 915        |
|                   |                                                            | 31-52501         | 31-43 TASK 809        |
|                   |                                                            | 31-52502         | 31-43 TASK 810        |
|                   |                                                            | 31-52531         | 31-43 TASK 813        |
|                   |                                                            | 31-52532         | 31-43 TASK 814        |
|                   |                                                            | 31-52541         | 31-43 TASK 815        |
|                   |                                                            | 31-52542         | 31-43 TASK 816        |
|                   |                                                            | 31-52601         | 31-41 TASK 832        |

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|-------------------|------------------------------------------------------------|------------------|-----------------------|
| 316 481 41        | Maintenance memo shows on the<br>MAT: DISPLAY-1 IN L AIMS. | (continued)      |                       |
|                   |                                                            | 31-52602         | 31-41 TASK 833        |
|                   |                                                            | 31-53312         | 31-41 TASK 951        |
|                   |                                                            | 31-53321         | 31-41 TASK 959        |
|                   |                                                            | 31-53322         | 31-41 TASK 960        |
|                   |                                                            | 31-53351         | 31-41 TASK 952        |
|                   |                                                            | 31-53401         | 31-41 TASK 832        |
|                   |                                                            | 31-53402         | 31-41 TASK 833        |
|                   |                                                            | 31-53701         | 31-41 TASK 832        |
|                   |                                                            | 31-53702         | 31-41 TASK 833        |
|                   |                                                            | 31-53711         | 31-41 TASK 832        |
|                   |                                                            | 31-53712         | 31-41 TASK 833        |
|                   |                                                            | 31-53721         | 31-41 TASK 832        |
|                   |                                                            | 31-53722         | 31-41 TASK 833        |
|                   |                                                            | 31-53731         | 31-41 TASK 832        |
|                   |                                                            | 31-53732         | 31-41 TASK 833        |
|                   |                                                            | 31-54013         | 31-43 TASK 868        |
|                   |                                                            | 31-54014         | 31-43 TASK 869        |
|                   |                                                            | 31-54015         | 31-44 TASK 847        |
|                   |                                                            | 31-54016         | 31-44 TASK 848        |
|                   |                                                            | 31-54101         | 31-41 TASK 834        |
|                   |                                                            | 31-54102         | 31-41 TASK 835        |
|                   |                                                            | 31-54111         | 31-41 TASK 836        |
|                   |                                                            | 31-54112         | 31-41 TASK 837        |
|                   |                                                            | 31-54117         | 31-44 TASK 855        |
|                   |                                                            | 31-54118         | 31-44 TASK 856        |
|                   |                                                            | 31-54121         | 31-41 TASK 838        |
|                   |                                                            | 31-54122         | 31-41 TASK 839        |
|                   |                                                            | 31-54127         | 31-44 TASK 859        |
|                   |                                                            | 31-54128         | 31-44 TASK 860        |
|                   |                                                            | 31-54241         | 31-41 TASK 916        |
|                   |                                                            | 31-54242         | 31-41 TASK 917        |
|                   |                                                            | 31-54251         | 31-41 TASK 918        |
|                   |                                                            | 31-54262         | 31-41 TASK 917        |
|                   |                                                            | 31-54271         | 31-41 TASK 916        |

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|------------|------------------------------------------------------------|-------------|----------------|
| 316 481 41 | Maintenance memo shows on the<br>MAT: DISPLAY-1 IN L AIMS. | (continued) |                |
|            |                                                            | 31-54272    | 31-41 TASK 917 |
|            |                                                            | 31-54311    | 31-41 TASK 916 |
|            |                                                            | 31-54331    | 31-41 TASK 916 |
|            |                                                            | 31-54332    | 31-41 TASK 917 |
|            |                                                            | 31-54341    | 31-41 TASK 916 |
|            |                                                            | 31-54351    | 31-41 TASK 916 |
|            |                                                            | 31-54352    | 31-41 TASK 917 |
|            |                                                            | 31-54361    | 31-41 TASK 916 |
|            |                                                            | 31-54362    | 31-41 TASK 917 |
|            |                                                            | 31-54371    | 31-41 TASK 916 |
|            |                                                            | 31-54372    | 31-41 TASK 917 |
|            |                                                            | 31-54381    | 31-41 TASK 916 |
|            |                                                            | 31-54382    | 31-41 TASK 917 |
|            |                                                            | 31-54391    | 31-41 TASK 916 |
|            |                                                            | 31-54392    | 31-41 TASK 917 |
|            |                                                            | 31-54402    | 31-41 TASK 917 |
|            |                                                            | 31-54411    | 31-41 TASK 916 |
|            |                                                            | 31-54412    | 31-41 TASK 917 |
|            |                                                            | 31-54421    | 31-41 TASK 916 |
|            |                                                            | 31-54422    | 31-41 TASK 917 |
|            |                                                            | 31-54431    | 31-41 TASK 916 |
|            |                                                            | 31-54432    | 31-41 TASK 917 |
|            |                                                            | 31-54441    | 31-41 TASK 916 |
|            |                                                            | 31-54442    | 31-41 TASK 917 |
|            |                                                            | 31-54451    | 31-41 TASK 916 |
|            |                                                            | 31-54452    | 31-41 TASK 918 |
|            |                                                            | 31-54461    | 31-41 TASK 916 |
|            |                                                            | 31-54462    | 31-41 TASK 917 |
|            |                                                            | 31-54501    | 31-43 TASK 854 |
|            |                                                            | 31-54502    | 31-43 TASK 854 |
|            |                                                            | 31-54601    | 31-41 TASK 840 |
|            |                                                            | 31-54602    | 31-41 TASK 841 |
|            |                                                            | 31-55321    | 31-41 TASK 963 |
|            |                                                            | 31-55322    | 31-41 TASK 964 |

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|------------|---------------------------------------------------------|-------------|----------------|
| 316 481 41 | Maintenance memo shows on the MAT: DISPLAY-1 IN L AIMS. | (continued) |                |
|            |                                                         | 31-55401    | 31-41 TASK 840 |
|            |                                                         | 31-55402    | 31-41 TASK 841 |
|            |                                                         | 31-55701    | 31-41 TASK 840 |
|            |                                                         | 31-55702    | 31-41 TASK 841 |
|            |                                                         | 31-55711    | 31-41 TASK 840 |
|            |                                                         | 31-55712    | 31-41 TASK 841 |
|            |                                                         | 31-55721    | 31-41 TASK 840 |
|            |                                                         | 31-55722    | 31-41 TASK 841 |
|            |                                                         | 31-55731    | 31-41 TASK 840 |
|            |                                                         | 31-55732    | 31-41 TASK 841 |
|            |                                                         | 31-56013    | 31-43 TASK 870 |
|            |                                                         | 31-56014    | 31-43 TASK 871 |
|            |                                                         | 31-56015    | 31-44 TASK 849 |
|            |                                                         | 31-56016    | 31-44 TASK 850 |
|            |                                                         | 31-56101    | 31-41 TASK 844 |
|            |                                                         | 31-56102    | 31-41 TASK 845 |
|            |                                                         | 31-56104    | 31-45 TASK 811 |
|            |                                                         | 31-56111    | 31-41 TASK 846 |
|            |                                                         | 31-56112    | 31-41 TASK 847 |
|            |                                                         | 31-56113    | 31-41 TASK 991 |
|            |                                                         | 31-56114    | 31-45 TASK 810 |
|            |                                                         | 31-56117    | 31-44 TASK 861 |
|            |                                                         | 31-56118    | 31-44 TASK 862 |
|            |                                                         | 31-56121    | 31-41 TASK 848 |
|            |                                                         | 31-56122    | 31-41 TASK 849 |
|            |                                                         | 31-56127    | 31-44 TASK 857 |
|            |                                                         | 31-56128    | 31-44 TASK 858 |
|            |                                                         | 31-56231    | 31-41 TASK 919 |
|            |                                                         | 31-56261    | 31-41 TASK 919 |
|            |                                                         | 31-56272    | 31-41 TASK 920 |
|            |                                                         | 31-56292    | 31-41 TASK 918 |
|            |                                                         | 31-56301    | 31-41 TASK 918 |
|            |                                                         | 31-56321    | 31-41 TASK 919 |
|            |                                                         | 31-56331    | 31-41 TASK 919 |

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|------------|---------------------------------------------------------|-------------|----------------|
| 316 481 41 | Maintenance memo shows on the MAT: DISPLAY-1 IN L AIMS. | (continued) |                |
|            |                                                         | 31-56332    | 31-41 TASK 920 |
|            |                                                         | 31-56341    | 31-41 TASK 919 |
|            |                                                         | 31-56351    | 31-41 TASK 919 |
|            |                                                         | 31-56352    | 31-41 TASK 920 |
|            |                                                         | 31-56362    | 31-41 TASK 920 |
|            |                                                         | 31-56371    | 31-41 TASK 919 |
|            |                                                         | 31-56372    | 31-41 TASK 920 |
|            |                                                         | 31-56381    | 31-41 TASK 919 |
|            |                                                         | 31-56382    | 31-41 TASK 918 |
|            |                                                         | 31-56391    | 31-41 TASK 919 |
|            |                                                         | 31-56392    | 31-41 TASK 920 |
|            |                                                         | 31-56401    | 31-41 TASK 919 |
|            |                                                         | 31-56402    | 31-41 TASK 920 |
|            |                                                         | 31-56411    | 31-41 TASK 919 |
|            |                                                         | 31-56412    | 31-41 TASK 920 |
|            |                                                         | 31-56421    | 31-41 TASK 919 |
|            |                                                         | 31-56422    | 31-41 TASK 920 |
|            |                                                         | 31-56431    | 31-41 TASK 919 |
|            |                                                         | 31-56432    | 31-41 TASK 920 |
|            |                                                         | 31-56441    | 31-41 TASK 918 |
|            |                                                         | 31-56442    | 31-41 TASK 920 |
|            |                                                         | 31-56451    | 31-41 TASK 918 |
|            |                                                         | 31-56452    | 31-41 TASK 920 |
|            |                                                         | 31-56461    | 31-41 TASK 919 |
|            |                                                         | 31-56462    | 31-41 TASK 920 |
|            |                                                         | 31-56501    | 31-43 TASK 854 |
|            |                                                         | 31-56502    | 31-43 TASK 854 |
|            |                                                         | 31-56601    | 31-41 TASK 842 |
|            |                                                         | 31-56602    | 31-41 TASK 843 |
|            |                                                         | 31-57321    | 31-41 TASK 926 |
|            |                                                         | 31-57322    | 31-41 TASK 927 |
|            |                                                         | 31-57401    | 31-41 TASK 842 |
|            |                                                         | 31-57402    | 31-41 TASK 843 |
|            |                                                         | 31-57701    | 31-41 TASK 842 |

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|-------------------|------------------------------------------------------------|------------------|-----------------------|
| 316 481 41        | Maintenance memo shows on the<br>MAT: DISPLAY-1 IN L AIMS. | (continued)      |                       |
|                   |                                                            | 31-57702         | 31-41 TASK 843        |
|                   |                                                            | 31-57711         | 31-41 TASK 842        |
|                   |                                                            | 31-57712         | 31-41 TASK 843        |
|                   |                                                            | 31-57721         | 31-41 TASK 842        |
|                   |                                                            | 31-57722         | 31-41 TASK 843        |
|                   |                                                            | 31-57731         | 31-41 TASK 842        |
|                   |                                                            | 31-57732         | 31-41 TASK 843        |
|                   |                                                            | 31-58013         | 31-43 TASK 872        |
|                   |                                                            | 31-58014         | 31-43 TASK 873        |
|                   |                                                            | 31-58015         | 31-44 TASK 851        |
|                   |                                                            | 31-58016         | 31-44 TASK 852        |
|                   |                                                            | 31-58101         | 31-41 TASK 852        |
|                   |                                                            | 31-58102         | 31-41 TASK 853        |
|                   |                                                            | 31-58111         | 31-41 TASK 854        |
|                   |                                                            | 31-58112         | 31-41 TASK 855        |
|                   |                                                            | 31-58117         | 31-44 TASK 861        |
|                   |                                                            | 31-58118         | 31-44 TASK 862        |
|                   |                                                            | 31-58121         | 31-41 TASK 856        |
|                   |                                                            | 31-58122         | 31-41 TASK 857        |
|                   |                                                            | 31-58127         | 31-44 TASK 859        |
|                   |                                                            | 31-58128         | 31-44 TASK 860        |
|                   |                                                            | 31-58211         | 31-41 TASK 921        |
|                   |                                                            | 31-58212         | 31-41 TASK 922        |
|                   |                                                            | 31-58241         | 31-41 TASK 921        |
|                   |                                                            | 31-58242         | 31-41 TASK 922        |
|                   |                                                            | 31-58251         | 31-41 TASK 921        |
|                   |                                                            | 31-58252         | 31-41 TASK 922        |
|                   |                                                            | 31-58282         | 31-41 TASK 922        |
|                   |                                                            | 31-58292         | 31-41 TASK 918        |
|                   |                                                            | 31-58331         | 31-41 TASK 921        |
|                   |                                                            | 31-58332         | 31-41 TASK 922        |
|                   |                                                            | 31-58341         | 31-41 TASK 921        |
|                   |                                                            | 31-58351         | 31-41 TASK 921        |
|                   |                                                            | 31-58352         | 31-41 TASK 922        |

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| 316 481 41 | Maintenance memo shows on the MAT: DISPLAY-1 IN L AIMS. | (continued) |                |
|            |                                                         | 31-58362    | 31-41 TASK 922 |
|            |                                                         | 31-58371    | 31-41 TASK 921 |
|            |                                                         | 31-58372    | 31-41 TASK 922 |
|            |                                                         | 31-58381    | 31-41 TASK 921 |
|            |                                                         | 31-58382    | 31-41 TASK 918 |
|            |                                                         | 31-58391    | 31-41 TASK 921 |
|            |                                                         | 31-58392    | 31-41 TASK 922 |
|            |                                                         | 31-58401    | 31-41 TASK 921 |
|            |                                                         | 31-58402    | 31-41 TASK 922 |
|            |                                                         | 31-58411    | 31-41 TASK 921 |
|            |                                                         | 31-58412    | 31-41 TASK 922 |
|            |                                                         | 31-58421    | 31-41 TASK 921 |
|            |                                                         | 31-58422    | 31-41 TASK 922 |
|            |                                                         | 31-58431    | 31-41 TASK 921 |
|            |                                                         | 31-58432    | 31-41 TASK 922 |
|            |                                                         | 31-58441    | 31-41 TASK 918 |
|            |                                                         | 31-58442    | 31-41 TASK 922 |
|            |                                                         | 31-58451    | 31-41 TASK 918 |
|            |                                                         | 31-58452    | 31-41 TASK 922 |
|            |                                                         | 31-58461    | 31-41 TASK 921 |
|            |                                                         | 31-58462    | 31-41 TASK 922 |
|            |                                                         | 31-58601    | 31-41 TASK 992 |
|            |                                                         | 31-58602    | 31-41 TASK 993 |
|            |                                                         | 31-59321    | 31-41 TASK 953 |
|            |                                                         | 31-59322    | 31-41 TASK 954 |
|            |                                                         | 31-59351    | 31-41 TASK 955 |
|            |                                                         | 31-59352    | 31-41 TASK 956 |
|            |                                                         | 31-59401    | 31-41 TASK 992 |
|            |                                                         | 31-59402    | 31-41 TASK 993 |
|            |                                                         | 31-59701    | 31-41 TASK 858 |
|            |                                                         | 31-59702    | 31-41 TASK 859 |
|            |                                                         | 31-59712    | 31-41 TASK 859 |
|            |                                                         | 31-59721    | 31-41 TASK 858 |
|            |                                                         | 31-59722    | 31-41 TASK 859 |

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|-------------------|---------------------------------------------------------|------------------|-----------------------|
| 316 481 41        | Maintenance memo shows on the MAT: DISPLAY-1 IN L AIMS. | (continued)      |                       |
|                   |                                                         | 31-59731         | 31-41 TASK 858        |
|                   |                                                         | 31-59732         | 31-41 TASK 859        |
|                   |                                                         | 31-68801         | 31-43 TASK 892        |
|                   |                                                         | 31-68802         | 31-43 TASK 893        |
|                   |                                                         | 31-80020         | 31-61 TASK 829        |
|                   |                                                         | 31-80171         | 31-61 TASK 892        |
|                   |                                                         | 31-80172         | 31-61 TASK 893        |
|                   |                                                         | 31-81011         | 31-61 TASK 811        |
|                   |                                                         | 31-81012         | 31-61 TASK 812        |
|                   |                                                         | 31-81041         | 31-61 TASK 803        |
|                   |                                                         | 31-81042         | 31-61 TASK 804        |
|                   |                                                         | 31-81051         | 31-61 TASK 940        |
|                   |                                                         | 31-81052         | 31-61 TASK 802        |
|                   |                                                         | 31-81081         | 31-61 TASK 813        |
|                   |                                                         | 31-81082         | 31-61 TASK 830        |
|                   |                                                         | 31-82011         | 31-61 TASK 814        |
|                   |                                                         | 31-82012         | 31-61 TASK 831        |
|                   |                                                         | 31-82041         | 31-61 TASK 807        |
|                   |                                                         | 31-82042         | 31-61 TASK 808        |
|                   |                                                         | 31-82051         | 31-61 TASK 805        |
|                   |                                                         | 31-82052         | 31-61 TASK 806        |
|                   |                                                         | 31-82081         | 31-61 TASK 815        |
|                   |                                                         | 31-82082         | 31-61 TASK 832        |
|                   |                                                         | 31-83111         | 31-61 TASK 905        |
|                   |                                                         | 31-83113         | 31-61 TASK 867        |
|                   |                                                         | 31-83131         | 31-61 TASK 911        |
|                   |                                                         | 31-83133         | 31-61 TASK 913        |
| 316 481 42        | Maintenance memo shows on the MAT: DISPLAY-1 IN R AIMS. | 23-81001         | 23-91 TASK 801        |
|                   |                                                         | 23-81002         | 23-91 TASK 802        |
|                   |                                                         | 23-81003         | 23-91 TASK 803        |
|                   |                                                         | 23-81004         | 23-91 TASK 804        |
|                   |                                                         | 23-81005         | 23-91 TASK 805        |
|                   |                                                         | 23-81006         | 23-91 TASK 806        |

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|-------------------|------------------------------------------------------------|------------------|-----------------------|
| 316 481 42        | Maintenance memo shows on the<br>MAT: DISPLAY-1 IN R AIMS. | (continued)      |                       |
|                   |                                                            | 23-81007         | 23-91 TASK 807        |
|                   |                                                            | 24-11787         | 24-32 TASK 817        |
|                   |                                                            | 24-12051         | 24-32 TASK 819        |
|                   |                                                            | 24-12056         | 24-32 TASK 820        |
|                   |                                                            | 24-13815         | 24-61 TASK 806        |
|                   |                                                            | 31-50011         | 31-44 TASK 801        |
|                   |                                                            | 31-50012         | 31-44 TASK 802        |
|                   |                                                            | 31-50017         | 31-44 TASK 823        |
|                   |                                                            | 31-50018         | 31-44 TASK 824        |
|                   |                                                            | 31-50027         | 31-44 TASK 825        |
|                   |                                                            | 31-50028         | 31-44 TASK 826        |
|                   |                                                            | 31-50091         | 31-44 TASK 819        |
|                   |                                                            | 31-50092         | 31-44 TASK 820        |
|                   |                                                            | 31-50101         | 31-43 TASK 865        |
|                   |                                                            | 31-50102         | 31-43 TASK 865        |
|                   |                                                            | 31-50111         | 31-43 TASK 865        |
|                   |                                                            | 31-50112         | 31-43 TASK 865        |
|                   |                                                            | 31-50121         | 31-43 TASK 865        |
|                   |                                                            | 31-50122         | 31-43 TASK 865        |
|                   |                                                            | 31-50131         | 31-43 TASK 865        |
|                   |                                                            | 31-50132         | 31-43 TASK 865        |
|                   |                                                            | 31-50191         | 31-43 TASK 875        |
|                   |                                                            | 31-50192         | 31-43 TASK 875        |
|                   |                                                            | 31-50201         | 31-43 TASK 852        |
|                   |                                                            | 31-50202         | 31-43 TASK 853        |
|                   |                                                            | 31-51033         | 31-44 TASK 869        |
|                   |                                                            | 31-51034         | 31-44 TASK 870        |
|                   |                                                            | 31-51035         | 31-43 TASK 805        |
|                   |                                                            | 31-51036         | 31-43 TASK 806        |
|                   |                                                            | 31-51037         | 31-43 TASK 805        |
|                   |                                                            | 31-51038         | 31-43 TASK 806        |
|                   |                                                            | 31-51043         | 31-44 TASK 871        |
|                   |                                                            | 31-51044         | 31-44 TASK 872        |
|                   |                                                            | 31-51045         | 31-43 TASK 807        |

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|-------------------|---------------------------------------------------------|------------------|-----------------------|
| 316 481 42        | Maintenance memo shows on the MAT: DISPLAY-1 IN R AIMS. | (continued)      |                       |
|                   |                                                         | 31-51046         | 31-43 TASK 808        |
|                   |                                                         | 31-51047         | 31-43 TASK 807        |
|                   |                                                         | 31-51048         | 31-43 TASK 808        |
|                   |                                                         | 31-51517         | 31-44 TASK 861        |
|                   |                                                         | 31-51518         | 31-44 TASK 862        |
|                   |                                                         | 31-51527         | 31-44 TASK 857        |
|                   |                                                         | 31-51528         | 31-44 TASK 858        |
|                   |                                                         | 31-51561         | 31-61 TASK 940        |
|                   |                                                         | 31-51562         | 31-61 TASK 802        |
|                   |                                                         | 31-51563         | 31-61 TASK 803        |
|                   |                                                         | 31-51564         | 31-61 TASK 804        |
|                   |                                                         | 31-51571         | 31-61 TASK 940        |
|                   |                                                         | 31-51572         | 31-61 TASK 802        |
|                   |                                                         | 31-51573         | 31-61 TASK 803        |
|                   |                                                         | 31-51574         | 31-61 TASK 804        |
|                   |                                                         | 31-51717         | 31-44 TASK 861        |
|                   |                                                         | 31-51718         | 31-44 TASK 862        |
|                   |                                                         | 31-51727         | 31-44 TASK 859        |
|                   |                                                         | 31-51728         | 31-44 TASK 860        |
|                   |                                                         | 31-51761         | 31-61 TASK 805        |
|                   |                                                         | 31-51762         | 31-61 TASK 806        |
|                   |                                                         | 31-51763         | 31-61 TASK 807        |
|                   |                                                         | 31-51764         | 31-61 TASK 808        |
|                   |                                                         | 31-51771         | 31-61 TASK 805        |
|                   |                                                         | 31-51772         | 31-61 TASK 806        |
|                   |                                                         | 31-51773         | 31-61 TASK 807        |
|                   |                                                         | 31-51774         | 31-61 TASK 808        |
|                   |                                                         | 31-52013         | 31-43 TASK 866        |
|                   |                                                         | 31-52014         | 31-43 TASK 867        |
|                   |                                                         | 31-52015         | 31-44 TASK 845        |
|                   |                                                         | 31-52016         | 31-44 TASK 846        |
|                   |                                                         | 31-52101         | 31-41 TASK 817        |
|                   |                                                         | 31-52102         | 31-41 TASK 818        |
|                   |                                                         | 31-52111         | 31-41 TASK 819        |

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|------------|---------------------------------------------------------|-------------|----------------|
| 316 481 42 | Maintenance memo shows on the MAT: DISPLAY-1 IN R AIMS. | (continued) |                |
|            |                                                         | 31-52112    | 31-41 TASK 820 |
|            |                                                         | 31-52114    | 31-45 TASK 809 |
|            |                                                         | 31-52117    | 31-44 TASK 855 |
|            |                                                         | 31-52118    | 31-44 TASK 856 |
|            |                                                         | 31-52121    | 31-41 TASK 821 |
|            |                                                         | 31-52122    | 31-41 TASK 822 |
|            |                                                         | 31-52127    | 31-44 TASK 857 |
|            |                                                         | 31-52128    | 31-44 TASK 858 |
|            |                                                         | 31-52301    | 31-41 TASK 914 |
|            |                                                         | 31-52302    | 31-41 TASK 915 |
|            |                                                         | 31-52331    | 31-41 TASK 914 |
|            |                                                         | 31-52332    | 31-41 TASK 915 |
|            |                                                         | 31-52341    | 31-41 TASK 914 |
|            |                                                         | 31-52351    | 31-41 TASK 914 |
|            |                                                         | 31-52352    | 31-41 TASK 915 |
|            |                                                         | 31-52361    | 31-41 TASK 914 |
|            |                                                         | 31-52362    | 31-41 TASK 915 |
|            |                                                         | 31-52371    | 31-41 TASK 914 |
|            |                                                         | 31-52372    | 31-41 TASK 915 |
|            |                                                         | 31-52381    | 31-41 TASK 914 |
|            |                                                         | 31-52382    | 31-41 TASK 915 |
|            |                                                         | 31-52391    | 31-41 TASK 914 |
|            |                                                         | 31-52392    | 31-41 TASK 915 |
|            |                                                         | 31-52402    | 31-41 TASK 915 |
|            |                                                         | 31-52411    | 31-41 TASK 914 |
|            |                                                         | 31-52412    | 31-41 TASK 915 |
|            |                                                         | 31-52421    | 31-41 TASK 914 |
|            |                                                         | 31-52422    | 31-41 TASK 915 |
|            |                                                         | 31-52431    | 31-41 TASK 914 |
|            |                                                         | 31-52432    | 31-41 TASK 915 |
|            |                                                         | 31-52441    | 31-41 TASK 914 |
|            |                                                         | 31-52442    | 31-41 TASK 915 |
|            |                                                         | 31-52451    | 31-41 TASK 914 |
|            |                                                         | 31-52452    | 31-41 TASK 918 |

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|-------------------|---------------------------------------------------------|------------------|-----------------------|
| 316 481 42        | Maintenance memo shows on the MAT: DISPLAY-1 IN R AIMS. | (continued)      |                       |
|                   |                                                         | 31-52461         | 31-41 TASK 914        |
|                   |                                                         | 31-52462         | 31-41 TASK 915        |
|                   |                                                         | 31-52501         | 31-43 TASK 809        |
|                   |                                                         | 31-52502         | 31-43 TASK 810        |
|                   |                                                         | 31-52531         | 31-43 TASK 813        |
|                   |                                                         | 31-52532         | 31-43 TASK 814        |
|                   |                                                         | 31-52541         | 31-43 TASK 815        |
|                   |                                                         | 31-52542         | 31-43 TASK 816        |
|                   |                                                         | 31-52601         | 31-41 TASK 832        |
|                   |                                                         | 31-52602         | 31-41 TASK 833        |
|                   |                                                         | 31-53312         | 31-41 TASK 951        |
|                   |                                                         | 31-53321         | 31-41 TASK 959        |
|                   |                                                         | 31-53322         | 31-41 TASK 960        |
|                   |                                                         | 31-53351         | 31-41 TASK 952        |
|                   |                                                         | 31-53401         | 31-41 TASK 832        |
|                   |                                                         | 31-53402         | 31-41 TASK 833        |
|                   |                                                         | 31-53701         | 31-41 TASK 832        |
|                   |                                                         | 31-53702         | 31-41 TASK 833        |
|                   |                                                         | 31-53711         | 31-41 TASK 832        |
|                   |                                                         | 31-53712         | 31-41 TASK 833        |
|                   |                                                         | 31-53721         | 31-41 TASK 832        |
|                   |                                                         | 31-53722         | 31-41 TASK 833        |
|                   |                                                         | 31-53731         | 31-41 TASK 832        |
|                   |                                                         | 31-53732         | 31-41 TASK 833        |
|                   |                                                         | 31-54013         | 31-43 TASK 868        |
|                   |                                                         | 31-54014         | 31-43 TASK 869        |
|                   |                                                         | 31-54015         | 31-44 TASK 847        |
|                   |                                                         | 31-54016         | 31-44 TASK 848        |
|                   |                                                         | 31-54101         | 31-41 TASK 834        |
|                   |                                                         | 31-54102         | 31-41 TASK 835        |
|                   |                                                         | 31-54111         | 31-41 TASK 836        |
|                   |                                                         | 31-54112         | 31-41 TASK 837        |
|                   |                                                         | 31-54117         | 31-44 TASK 855        |
|                   |                                                         | 31-54118         | 31-44 TASK 856        |

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|-------------------|------------------------------------------------------------|------------------|-----------------------|
| 316 481 42        | Maintenance memo shows on the<br>MAT: DISPLAY-1 IN R AIMS. | (continued)      |                       |
|                   |                                                            | 31-54121         | 31-41 TASK 838        |
|                   |                                                            | 31-54122         | 31-41 TASK 839        |
|                   |                                                            | 31-54127         | 31-44 TASK 859        |
|                   |                                                            | 31-54128         | 31-44 TASK 860        |
|                   |                                                            | 31-54241         | 31-41 TASK 916        |
|                   |                                                            | 31-54242         | 31-41 TASK 917        |
|                   |                                                            | 31-54251         | 31-41 TASK 918        |
|                   |                                                            | 31-54262         | 31-41 TASK 917        |
|                   |                                                            | 31-54271         | 31-41 TASK 916        |
|                   |                                                            | 31-54272         | 31-41 TASK 917        |
|                   |                                                            | 31-54311         | 31-41 TASK 916        |
|                   |                                                            | 31-54331         | 31-41 TASK 916        |
|                   |                                                            | 31-54332         | 31-41 TASK 917        |
|                   |                                                            | 31-54341         | 31-41 TASK 916        |
|                   |                                                            | 31-54351         | 31-41 TASK 916        |
|                   |                                                            | 31-54352         | 31-41 TASK 917        |
|                   |                                                            | 31-54361         | 31-41 TASK 916        |
|                   |                                                            | 31-54362         | 31-41 TASK 917        |
|                   |                                                            | 31-54371         | 31-41 TASK 916        |
|                   |                                                            | 31-54372         | 31-41 TASK 917        |
|                   |                                                            | 31-54381         | 31-41 TASK 916        |
|                   |                                                            | 31-54382         | 31-41 TASK 917        |
|                   |                                                            | 31-54391         | 31-41 TASK 916        |
|                   |                                                            | 31-54392         | 31-41 TASK 917        |
|                   |                                                            | 31-54402         | 31-41 TASK 917        |
|                   |                                                            | 31-54411         | 31-41 TASK 916        |
|                   |                                                            | 31-54412         | 31-41 TASK 917        |
|                   |                                                            | 31-54421         | 31-41 TASK 916        |
|                   |                                                            | 31-54422         | 31-41 TASK 917        |
|                   |                                                            | 31-54431         | 31-41 TASK 916        |
|                   |                                                            | 31-54432         | 31-41 TASK 917        |
|                   |                                                            | 31-54441         | 31-41 TASK 916        |
|                   |                                                            | 31-54442         | 31-41 TASK 917        |
|                   |                                                            | 31-54451         | 31-41 TASK 916        |

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| 316 481 42 | Maintenance memo shows on the MAT: DISPLAY-1 IN R AIMS. | (continued) |                |
|            |                                                         | 31-54452    | 31-41 TASK 918 |
|            |                                                         | 31-54461    | 31-41 TASK 916 |
|            |                                                         | 31-54462    | 31-41 TASK 917 |
|            |                                                         | 31-54501    | 31-43 TASK 854 |
|            |                                                         | 31-54502    | 31-43 TASK 854 |
|            |                                                         | 31-54601    | 31-41 TASK 840 |
|            |                                                         | 31-54602    | 31-41 TASK 841 |
|            |                                                         | 31-55321    | 31-41 TASK 963 |
|            |                                                         | 31-55322    | 31-41 TASK 964 |
|            |                                                         | 31-55401    | 31-41 TASK 840 |
|            |                                                         | 31-55402    | 31-41 TASK 841 |
|            |                                                         | 31-55701    | 31-41 TASK 840 |
|            |                                                         | 31-55702    | 31-41 TASK 841 |
|            |                                                         | 31-55711    | 31-41 TASK 840 |
|            |                                                         | 31-55712    | 31-41 TASK 841 |
|            |                                                         | 31-55721    | 31-41 TASK 840 |
|            |                                                         | 31-55722    | 31-41 TASK 841 |
|            |                                                         | 31-55731    | 31-41 TASK 840 |
|            |                                                         | 31-55732    | 31-41 TASK 841 |
|            |                                                         | 31-56013    | 31-43 TASK 870 |
|            |                                                         | 31-56014    | 31-43 TASK 871 |
|            |                                                         | 31-56015    | 31-44 TASK 849 |
|            |                                                         | 31-56016    | 31-44 TASK 850 |
|            |                                                         | 31-56101    | 31-41 TASK 844 |
|            |                                                         | 31-56102    | 31-41 TASK 845 |
|            |                                                         | 31-56104    | 31-45 TASK 811 |
|            |                                                         | 31-56111    | 31-41 TASK 846 |
|            |                                                         | 31-56112    | 31-41 TASK 847 |
|            |                                                         | 31-56113    | 31-41 TASK 991 |
|            |                                                         | 31-56114    | 31-45 TASK 810 |
|            |                                                         | 31-56117    | 31-44 TASK 861 |
|            |                                                         | 31-56118    | 31-44 TASK 862 |
|            |                                                         | 31-56121    | 31-41 TASK 848 |
|            |                                                         | 31-56122    | 31-41 TASK 849 |

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| 316 481 42        | Maintenance memo shows on the<br>MAT: DISPLAY-1 IN R AIMS. | (continued)      |                       |
|                   |                                                            | 31-56127         | 31-44 TASK 857        |
|                   |                                                            | 31-56128         | 31-44 TASK 858        |
|                   |                                                            | 31-56231         | 31-41 TASK 919        |
|                   |                                                            | 31-56261         | 31-41 TASK 919        |
|                   |                                                            | 31-56272         | 31-41 TASK 920        |
|                   |                                                            | 31-56292         | 31-41 TASK 918        |
|                   |                                                            | 31-56301         | 31-41 TASK 918        |
|                   |                                                            | 31-56321         | 31-41 TASK 919        |
|                   |                                                            | 31-56331         | 31-41 TASK 919        |
|                   |                                                            | 31-56332         | 31-41 TASK 920        |
|                   |                                                            | 31-56341         | 31-41 TASK 919        |
|                   |                                                            | 31-56351         | 31-41 TASK 919        |
|                   |                                                            | 31-56352         | 31-41 TASK 920        |
|                   |                                                            | 31-56362         | 31-41 TASK 920        |
|                   |                                                            | 31-56371         | 31-41 TASK 919        |
|                   |                                                            | 31-56372         | 31-41 TASK 920        |
|                   |                                                            | 31-56381         | 31-41 TASK 919        |
|                   |                                                            | 31-56382         | 31-41 TASK 918        |
|                   |                                                            | 31-56391         | 31-41 TASK 919        |
|                   |                                                            | 31-56392         | 31-41 TASK 920        |
|                   |                                                            | 31-56401         | 31-41 TASK 919        |
|                   |                                                            | 31-56402         | 31-41 TASK 920        |
|                   |                                                            | 31-56411         | 31-41 TASK 919        |
|                   |                                                            | 31-56412         | 31-41 TASK 920        |
|                   |                                                            | 31-56421         | 31-41 TASK 919        |
|                   |                                                            | 31-56422         | 31-41 TASK 920        |
|                   |                                                            | 31-56431         | 31-41 TASK 919        |
|                   |                                                            | 31-56432         | 31-41 TASK 920        |
|                   |                                                            | 31-56441         | 31-41 TASK 918        |
|                   |                                                            | 31-56442         | 31-41 TASK 920        |
|                   |                                                            | 31-56451         | 31-41 TASK 918        |
|                   |                                                            | 31-56452         | 31-41 TASK 920        |
|                   |                                                            | 31-56461         | 31-41 TASK 919        |
|                   |                                                            | 31-56462         | 31-41 TASK 920        |

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| 316 481 42        | Maintenance memo shows on the MAT: DISPLAY-1 IN R AIMS. | (continued)      |                       |
|                   |                                                         | 31-56501         | 31-43 TASK 854        |
|                   |                                                         | 31-56502         | 31-43 TASK 854        |
|                   |                                                         | 31-56601         | 31-41 TASK 842        |
|                   |                                                         | 31-56602         | 31-41 TASK 843        |
|                   |                                                         | 31-57321         | 31-41 TASK 926        |
|                   |                                                         | 31-57322         | 31-41 TASK 927        |
|                   |                                                         | 31-57401         | 31-41 TASK 842        |
|                   |                                                         | 31-57402         | 31-41 TASK 843        |
|                   |                                                         | 31-57701         | 31-41 TASK 842        |
|                   |                                                         | 31-57702         | 31-41 TASK 843        |
|                   |                                                         | 31-57711         | 31-41 TASK 842        |
|                   |                                                         | 31-57712         | 31-41 TASK 843        |
|                   |                                                         | 31-57721         | 31-41 TASK 842        |
|                   |                                                         | 31-57722         | 31-41 TASK 843        |
|                   |                                                         | 31-57731         | 31-41 TASK 842        |
|                   |                                                         | 31-57732         | 31-41 TASK 843        |
|                   |                                                         | 31-58013         | 31-43 TASK 872        |
|                   |                                                         | 31-58014         | 31-43 TASK 873        |
|                   |                                                         | 31-58015         | 31-44 TASK 851        |
|                   |                                                         | 31-58016         | 31-44 TASK 852        |
|                   |                                                         | 31-58101         | 31-41 TASK 852        |
|                   |                                                         | 31-58102         | 31-41 TASK 853        |
|                   |                                                         | 31-58111         | 31-41 TASK 854        |
|                   |                                                         | 31-58112         | 31-41 TASK 855        |
|                   |                                                         | 31-58117         | 31-44 TASK 861        |
|                   |                                                         | 31-58118         | 31-44 TASK 862        |
|                   |                                                         | 31-58121         | 31-41 TASK 856        |
|                   |                                                         | 31-58122         | 31-41 TASK 857        |
|                   |                                                         | 31-58127         | 31-44 TASK 859        |
|                   |                                                         | 31-58128         | 31-44 TASK 860        |
|                   |                                                         | 31-58211         | 31-41 TASK 921        |
|                   |                                                         | 31-58212         | 31-41 TASK 922        |
|                   |                                                         | 31-58241         | 31-41 TASK 921        |
|                   |                                                         | 31-58242         | 31-41 TASK 922        |

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|-------------------|------------------------------------------------------------|------------------|-----------------------|
| 316 481 42        | Maintenance memo shows on the<br>MAT: DISPLAY-1 IN R AIMS. | (continued)      |                       |
|                   |                                                            | 31-58251         | 31-41 TASK 921        |
|                   |                                                            | 31-58252         | 31-41 TASK 922        |
|                   |                                                            | 31-58282         | 31-41 TASK 922        |
|                   |                                                            | 31-58292         | 31-41 TASK 918        |
|                   |                                                            | 31-58331         | 31-41 TASK 921        |
|                   |                                                            | 31-58332         | 31-41 TASK 922        |
|                   |                                                            | 31-58341         | 31-41 TASK 921        |
|                   |                                                            | 31-58351         | 31-41 TASK 921        |
|                   |                                                            | 31-58352         | 31-41 TASK 922        |
|                   |                                                            | 31-58362         | 31-41 TASK 922        |
|                   |                                                            | 31-58371         | 31-41 TASK 921        |
|                   |                                                            | 31-58372         | 31-41 TASK 922        |
|                   |                                                            | 31-58381         | 31-41 TASK 921        |
|                   |                                                            | 31-58382         | 31-41 TASK 918        |
|                   |                                                            | 31-58391         | 31-41 TASK 921        |
|                   |                                                            | 31-58392         | 31-41 TASK 922        |
|                   |                                                            | 31-58401         | 31-41 TASK 921        |
|                   |                                                            | 31-58402         | 31-41 TASK 922        |
|                   |                                                            | 31-58411         | 31-41 TASK 921        |
|                   |                                                            | 31-58412         | 31-41 TASK 922        |
|                   |                                                            | 31-58421         | 31-41 TASK 921        |
|                   |                                                            | 31-58422         | 31-41 TASK 922        |
|                   |                                                            | 31-58431         | 31-41 TASK 921        |
|                   |                                                            | 31-58432         | 31-41 TASK 922        |
|                   |                                                            | 31-58441         | 31-41 TASK 918        |
|                   |                                                            | 31-58442         | 31-41 TASK 922        |
|                   |                                                            | 31-58451         | 31-41 TASK 918        |
|                   |                                                            | 31-58452         | 31-41 TASK 922        |
|                   |                                                            | 31-58461         | 31-41 TASK 921        |
|                   |                                                            | 31-58462         | 31-41 TASK 922        |
|                   |                                                            | 31-58601         | 31-41 TASK 992        |
|                   |                                                            | 31-58602         | 31-41 TASK 993        |
|                   |                                                            | 31-59321         | 31-41 TASK 953        |
|                   |                                                            | 31-59322         | 31-41 TASK 954        |

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|-------------------|------------------------------------------------------------|------------------|-----------------------|
| 316 481 42        | Maintenance memo shows on the<br>MAT: DISPLAY-1 IN R AIMS. | (continued)      |                       |
|                   |                                                            | 31-59351         | 31-41 TASK 955        |
|                   |                                                            | 31-59352         | 31-41 TASK 956        |
|                   |                                                            | 31-59401         | 31-41 TASK 992        |
|                   |                                                            | 31-59402         | 31-41 TASK 993        |
|                   |                                                            | 31-59701         | 31-41 TASK 858        |
|                   |                                                            | 31-59702         | 31-41 TASK 859        |
|                   |                                                            | 31-59712         | 31-41 TASK 859        |
|                   |                                                            | 31-59721         | 31-41 TASK 858        |
|                   |                                                            | 31-59722         | 31-41 TASK 859        |
|                   |                                                            | 31-59731         | 31-41 TASK 858        |
|                   |                                                            | 31-59732         | 31-41 TASK 859        |
|                   |                                                            | 31-68801         | 31-43 TASK 892        |
|                   |                                                            | 31-68802         | 31-43 TASK 893        |
|                   |                                                            | 31-80020         | 31-61 TASK 829        |
|                   |                                                            | 31-80171         | 31-61 TASK 892        |
|                   |                                                            | 31-80172         | 31-61 TASK 893        |
|                   |                                                            | 31-81011         | 31-61 TASK 811        |
|                   |                                                            | 31-81012         | 31-61 TASK 812        |
|                   |                                                            | 31-81041         | 31-61 TASK 803        |
|                   |                                                            | 31-81042         | 31-61 TASK 804        |
|                   |                                                            | 31-81051         | 31-61 TASK 940        |
|                   |                                                            | 31-81052         | 31-61 TASK 802        |
|                   |                                                            | 31-81081         | 31-61 TASK 813        |
|                   |                                                            | 31-81082         | 31-61 TASK 830        |
|                   |                                                            | 31-82011         | 31-61 TASK 814        |
|                   |                                                            | 31-82012         | 31-61 TASK 831        |
|                   |                                                            | 31-82041         | 31-61 TASK 807        |
|                   |                                                            | 31-82042         | 31-61 TASK 808        |
|                   |                                                            | 31-82051         | 31-61 TASK 805        |
|                   |                                                            | 31-82052         | 31-61 TASK 806        |
|                   |                                                            | 31-82081         | 31-61 TASK 815        |
|                   |                                                            | 31-82082         | 31-61 TASK 832        |
|                   |                                                            | 31-83112         | 31-61 TASK 906        |
|                   |                                                            | 31-83114         | 31-61 TASK 907        |

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|-------------------|------------------------------------------------------------|------------------|-----------------------|
| 316 481 42        | Maintenance memo shows on the<br>MAT: DISPLAY-1 IN R AIMS. | (continued)      |                       |
|                   |                                                            | 31-83132         | 31-61 TASK 912        |
|                   |                                                            | 31-83134         | 31-61 TASK 869        |
| 316 482 41        | Maintenance memo shows on the<br>MAT: DISPLAY-2 IN L AIMS. | 23-81001         | 23-91 TASK 801        |
|                   |                                                            | 23-81002         | 23-91 TASK 802        |
|                   |                                                            | 23-81003         | 23-91 TASK 803        |
|                   |                                                            | 23-81004         | 23-91 TASK 804        |
|                   |                                                            | 23-81005         | 23-91 TASK 805        |
|                   |                                                            | 23-81006         | 23-91 TASK 806        |
|                   |                                                            | 23-81007         | 23-91 TASK 807        |
|                   |                                                            | 24-11787         | 24-32 TASK 817        |
|                   |                                                            | 24-12051         | 24-32 TASK 819        |
|                   |                                                            | 24-12056         | 24-32 TASK 820        |
|                   |                                                            | 24-13815         | 24-61 TASK 806        |
|                   |                                                            | 31-50011         | 31-44 TASK 801        |
|                   |                                                            | 31-50012         | 31-44 TASK 802        |
|                   |                                                            | 31-50017         | 31-44 TASK 823        |
|                   |                                                            | 31-50018         | 31-44 TASK 824        |
|                   |                                                            | 31-50027         | 31-44 TASK 825        |
|                   |                                                            | 31-50028         | 31-44 TASK 826        |
|                   |                                                            | 31-50091         | 31-44 TASK 819        |
|                   |                                                            | 31-50092         | 31-44 TASK 820        |
|                   |                                                            | 31-50101         | 31-43 TASK 865        |
|                   |                                                            | 31-50102         | 31-43 TASK 865        |
|                   |                                                            | 31-50111         | 31-43 TASK 865        |
|                   |                                                            | 31-50112         | 31-43 TASK 865        |
|                   |                                                            | 31-50121         | 31-43 TASK 865        |
|                   |                                                            | 31-50122         | 31-43 TASK 865        |
|                   |                                                            | 31-50131         | 31-43 TASK 865        |
|                   |                                                            | 31-50132         | 31-43 TASK 865        |
|                   |                                                            | 31-50191         | 31-43 TASK 875        |
|                   |                                                            | 31-50192         | 31-43 TASK 875        |
|                   |                                                            | 31-50201         | 31-43 TASK 852        |
|                   |                                                            | 31-50202         | 31-43 TASK 853        |

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|-------------------|------------------------------------------------------------|------------------|-----------------------|
| 316 482 41        | Maintenance memo shows on the<br>MAT: DISPLAY-2 IN L AIMS. | (continued)      |                       |
|                   |                                                            | 31-51033         | 31-44 TASK 869        |
|                   |                                                            | 31-51034         | 31-44 TASK 870        |
|                   |                                                            | 31-51035         | 31-43 TASK 805        |
|                   |                                                            | 31-51036         | 31-43 TASK 806        |
|                   |                                                            | 31-51037         | 31-43 TASK 805        |
|                   |                                                            | 31-51038         | 31-43 TASK 806        |
|                   |                                                            | 31-51043         | 31-44 TASK 871        |
|                   |                                                            | 31-51044         | 31-44 TASK 872        |
|                   |                                                            | 31-51045         | 31-43 TASK 807        |
|                   |                                                            | 31-51046         | 31-43 TASK 808        |
|                   |                                                            | 31-51047         | 31-43 TASK 807        |
|                   |                                                            | 31-51048         | 31-43 TASK 808        |
|                   |                                                            | 31-51517         | 31-44 TASK 861        |
|                   |                                                            | 31-51518         | 31-44 TASK 862        |
|                   |                                                            | 31-51527         | 31-44 TASK 857        |
|                   |                                                            | 31-51528         | 31-44 TASK 858        |
|                   |                                                            | 31-51561         | 31-61 TASK 940        |
|                   |                                                            | 31-51562         | 31-61 TASK 802        |
|                   |                                                            | 31-51563         | 31-61 TASK 803        |
|                   |                                                            | 31-51564         | 31-61 TASK 804        |
|                   |                                                            | 31-51571         | 31-61 TASK 940        |
|                   |                                                            | 31-51572         | 31-61 TASK 802        |
|                   |                                                            | 31-51573         | 31-61 TASK 803        |
|                   |                                                            | 31-51574         | 31-61 TASK 804        |
|                   |                                                            | 31-51717         | 31-44 TASK 861        |
|                   |                                                            | 31-51718         | 31-44 TASK 862        |
|                   |                                                            | 31-51727         | 31-44 TASK 859        |
|                   |                                                            | 31-51728         | 31-44 TASK 860        |
|                   |                                                            | 31-51761         | 31-61 TASK 805        |
|                   |                                                            | 31-51762         | 31-61 TASK 806        |
|                   |                                                            | 31-51763         | 31-61 TASK 807        |
|                   |                                                            | 31-51764         | 31-61 TASK 808        |
|                   |                                                            | 31-51771         | 31-61 TASK 805        |
|                   |                                                            | 31-51772         | 31-61 TASK 806        |

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|------------|------------------------------------------------------------|-------------|----------------|
| 316 482 41 | Maintenance memo shows on the<br>MAT: DISPLAY-2 IN L AIMS. | (continued) |                |
|            |                                                            | 31-51773    | 31-61 TASK 807 |
|            |                                                            | 31-51774    | 31-61 TASK 808 |
|            |                                                            | 31-52013    | 31-43 TASK 866 |
|            |                                                            | 31-52014    | 31-43 TASK 867 |
|            |                                                            | 31-52015    | 31-44 TASK 845 |
|            |                                                            | 31-52016    | 31-44 TASK 846 |
|            |                                                            | 31-52101    | 31-41 TASK 817 |
|            |                                                            | 31-52102    | 31-41 TASK 818 |
|            |                                                            | 31-52111    | 31-41 TASK 819 |
|            |                                                            | 31-52112    | 31-41 TASK 820 |
|            |                                                            | 31-52114    | 31-45 TASK 809 |
|            |                                                            | 31-52117    | 31-44 TASK 855 |
|            |                                                            | 31-52118    | 31-44 TASK 856 |
|            |                                                            | 31-52121    | 31-41 TASK 821 |
|            |                                                            | 31-52122    | 31-41 TASK 822 |
|            |                                                            | 31-52127    | 31-44 TASK 857 |
|            |                                                            | 31-52128    | 31-44 TASK 858 |
|            |                                                            | 31-52301    | 31-41 TASK 914 |
|            |                                                            | 31-52302    | 31-41 TASK 915 |
|            |                                                            | 31-52331    | 31-41 TASK 914 |
|            |                                                            | 31-52332    | 31-41 TASK 915 |
|            |                                                            | 31-52341    | 31-41 TASK 914 |
|            |                                                            | 31-52351    | 31-41 TASK 914 |
|            |                                                            | 31-52352    | 31-41 TASK 915 |
|            |                                                            | 31-52361    | 31-41 TASK 914 |
|            |                                                            | 31-52362    | 31-41 TASK 915 |
|            |                                                            | 31-52371    | 31-41 TASK 914 |
|            |                                                            | 31-52372    | 31-41 TASK 915 |
|            |                                                            | 31-52381    | 31-41 TASK 914 |
|            |                                                            | 31-52382    | 31-41 TASK 915 |
|            |                                                            | 31-52391    | 31-41 TASK 914 |
|            |                                                            | 31-52392    | 31-41 TASK 915 |
|            |                                                            | 31-52402    | 31-41 TASK 915 |
|            |                                                            | 31-52411    | 31-41 TASK 914 |

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|-------------------|------------------------------------------------------------|------------------|-----------------------|
| 316 482 41        | Maintenance memo shows on the<br>MAT: DISPLAY-2 IN L AIMS. | (continued)      |                       |
|                   |                                                            | 31-52412         | 31-41 TASK 915        |
|                   |                                                            | 31-52421         | 31-41 TASK 914        |
|                   |                                                            | 31-52422         | 31-41 TASK 915        |
|                   |                                                            | 31-52431         | 31-41 TASK 914        |
|                   |                                                            | 31-52432         | 31-41 TASK 915        |
|                   |                                                            | 31-52441         | 31-41 TASK 914        |
|                   |                                                            | 31-52442         | 31-41 TASK 915        |
|                   |                                                            | 31-52451         | 31-41 TASK 914        |
|                   |                                                            | 31-52452         | 31-41 TASK 918        |
|                   |                                                            | 31-52461         | 31-41 TASK 914        |
|                   |                                                            | 31-52462         | 31-41 TASK 915        |
|                   |                                                            | 31-52501         | 31-43 TASK 809        |
|                   |                                                            | 31-52502         | 31-43 TASK 810        |
|                   |                                                            | 31-52531         | 31-43 TASK 813        |
|                   |                                                            | 31-52532         | 31-43 TASK 814        |
|                   |                                                            | 31-52541         | 31-43 TASK 815        |
|                   |                                                            | 31-52542         | 31-43 TASK 816        |
|                   |                                                            | 31-52601         | 31-41 TASK 832        |
|                   |                                                            | 31-52602         | 31-41 TASK 833        |
|                   |                                                            | 31-53312         | 31-41 TASK 951        |
|                   |                                                            | 31-53321         | 31-41 TASK 959        |
|                   |                                                            | 31-53322         | 31-41 TASK 960        |
|                   |                                                            | 31-53351         | 31-41 TASK 952        |
|                   |                                                            | 31-53401         | 31-41 TASK 832        |
|                   |                                                            | 31-53402         | 31-41 TASK 833        |
|                   |                                                            | 31-53701         | 31-41 TASK 832        |
|                   |                                                            | 31-53702         | 31-41 TASK 833        |
|                   |                                                            | 31-53711         | 31-41 TASK 832        |
|                   |                                                            | 31-53712         | 31-41 TASK 833        |
|                   |                                                            | 31-53721         | 31-41 TASK 832        |
|                   |                                                            | 31-53722         | 31-41 TASK 833        |
|                   |                                                            | 31-53731         | 31-41 TASK 832        |
|                   |                                                            | 31-53732         | 31-41 TASK 833        |
|                   |                                                            | 31-54013         | 31-43 TASK 868        |

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|-------------------|------------------------------------------------------------|------------------|-----------------------|
| 316 482 41        | Maintenance memo shows on the<br>MAT: DISPLAY-2 IN L AIMS. | (continued)      |                       |
|                   |                                                            | 31-54014         | 31-43 TASK 869        |
|                   |                                                            | 31-54015         | 31-44 TASK 847        |
|                   |                                                            | 31-54016         | 31-44 TASK 848        |
|                   |                                                            | 31-54101         | 31-41 TASK 834        |
|                   |                                                            | 31-54102         | 31-41 TASK 835        |
|                   |                                                            | 31-54111         | 31-41 TASK 836        |
|                   |                                                            | 31-54112         | 31-41 TASK 837        |
|                   |                                                            | 31-54117         | 31-44 TASK 855        |
|                   |                                                            | 31-54118         | 31-44 TASK 856        |
|                   |                                                            | 31-54121         | 31-41 TASK 838        |
|                   |                                                            | 31-54122         | 31-41 TASK 839        |
|                   |                                                            | 31-54127         | 31-44 TASK 859        |
|                   |                                                            | 31-54128         | 31-44 TASK 860        |
|                   |                                                            | 31-54241         | 31-41 TASK 916        |
|                   |                                                            | 31-54242         | 31-41 TASK 917        |
|                   |                                                            | 31-54251         | 31-41 TASK 918        |
|                   |                                                            | 31-54262         | 31-41 TASK 917        |
|                   |                                                            | 31-54271         | 31-41 TASK 916        |
|                   |                                                            | 31-54272         | 31-41 TASK 917        |
|                   |                                                            | 31-54311         | 31-41 TASK 916        |
|                   |                                                            | 31-54331         | 31-41 TASK 916        |
|                   |                                                            | 31-54332         | 31-41 TASK 917        |
|                   |                                                            | 31-54341         | 31-41 TASK 916        |
|                   |                                                            | 31-54351         | 31-41 TASK 916        |
|                   |                                                            | 31-54352         | 31-41 TASK 917        |
|                   |                                                            | 31-54361         | 31-41 TASK 916        |
|                   |                                                            | 31-54362         | 31-41 TASK 917        |
|                   |                                                            | 31-54371         | 31-41 TASK 916        |
|                   |                                                            | 31-54372         | 31-41 TASK 917        |
|                   |                                                            | 31-54381         | 31-41 TASK 916        |
|                   |                                                            | 31-54382         | 31-41 TASK 917        |
|                   |                                                            | 31-54391         | 31-41 TASK 916        |
|                   |                                                            | 31-54392         | 31-41 TASK 917        |
|                   |                                                            | 31-54402         | 31-41 TASK 917        |

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| 316 482 41 | Maintenance memo shows on the<br>MAT: DISPLAY-2 IN L AIMS. | (continued) |                |
|            |                                                            | 31-54411    | 31-41 TASK 916 |
|            |                                                            | 31-54412    | 31-41 TASK 917 |
|            |                                                            | 31-54421    | 31-41 TASK 916 |
|            |                                                            | 31-54422    | 31-41 TASK 917 |
|            |                                                            | 31-54431    | 31-41 TASK 916 |
|            |                                                            | 31-54432    | 31-41 TASK 917 |
|            |                                                            | 31-54441    | 31-41 TASK 916 |
|            |                                                            | 31-54442    | 31-41 TASK 917 |
|            |                                                            | 31-54451    | 31-41 TASK 916 |
|            |                                                            | 31-54452    | 31-41 TASK 918 |
|            |                                                            | 31-54461    | 31-41 TASK 916 |
|            |                                                            | 31-54462    | 31-41 TASK 917 |
|            |                                                            | 31-54501    | 31-43 TASK 854 |
|            |                                                            | 31-54502    | 31-43 TASK 854 |
|            |                                                            | 31-54601    | 31-41 TASK 840 |
|            |                                                            | 31-54602    | 31-41 TASK 841 |
|            |                                                            | 31-55321    | 31-41 TASK 963 |
|            |                                                            | 31-55322    | 31-41 TASK 964 |
|            |                                                            | 31-55401    | 31-41 TASK 840 |
|            |                                                            | 31-55402    | 31-41 TASK 841 |
|            |                                                            | 31-55701    | 31-41 TASK 840 |
|            |                                                            | 31-55702    | 31-41 TASK 841 |
|            |                                                            | 31-55711    | 31-41 TASK 840 |
|            |                                                            | 31-55712    | 31-41 TASK 841 |
|            |                                                            | 31-55721    | 31-41 TASK 840 |
|            |                                                            | 31-55722    | 31-41 TASK 841 |
|            |                                                            | 31-55731    | 31-41 TASK 840 |
|            |                                                            | 31-55732    | 31-41 TASK 841 |
|            |                                                            | 31-56013    | 31-43 TASK 870 |
|            |                                                            | 31-56014    | 31-43 TASK 871 |
|            |                                                            | 31-56015    | 31-44 TASK 849 |
|            |                                                            | 31-56016    | 31-44 TASK 850 |
|            |                                                            | 31-56101    | 31-41 TASK 844 |
|            |                                                            | 31-56102    | 31-41 TASK 845 |

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|------------|------------------------------------------------------------|-------------|----------------|
| 316 482 41 | Maintenance memo shows on the<br>MAT: DISPLAY-2 IN L AIMS. | (continued) |                |
|            |                                                            | 31-56104    | 31-45 TASK 811 |
|            |                                                            | 31-56111    | 31-41 TASK 846 |
|            |                                                            | 31-56112    | 31-41 TASK 847 |
|            |                                                            | 31-56113    | 31-41 TASK 991 |
|            |                                                            | 31-56114    | 31-45 TASK 810 |
|            |                                                            | 31-56117    | 31-44 TASK 861 |
|            |                                                            | 31-56118    | 31-44 TASK 862 |
|            |                                                            | 31-56121    | 31-41 TASK 848 |
|            |                                                            | 31-56122    | 31-41 TASK 849 |
|            |                                                            | 31-56127    | 31-44 TASK 857 |
|            |                                                            | 31-56128    | 31-44 TASK 858 |
|            |                                                            | 31-56231    | 31-41 TASK 919 |
|            |                                                            | 31-56261    | 31-41 TASK 919 |
|            |                                                            | 31-56272    | 31-41 TASK 920 |
|            |                                                            | 31-56292    | 31-41 TASK 918 |
|            |                                                            | 31-56301    | 31-41 TASK 918 |
|            |                                                            | 31-56321    | 31-41 TASK 919 |
|            |                                                            | 31-56331    | 31-41 TASK 919 |
|            |                                                            | 31-56332    | 31-41 TASK 920 |
|            |                                                            | 31-56341    | 31-41 TASK 919 |
|            |                                                            | 31-56351    | 31-41 TASK 919 |
|            |                                                            | 31-56352    | 31-41 TASK 920 |
|            |                                                            | 31-56362    | 31-41 TASK 920 |
|            |                                                            | 31-56371    | 31-41 TASK 919 |
|            |                                                            | 31-56372    | 31-41 TASK 920 |
|            |                                                            | 31-56381    | 31-41 TASK 919 |
|            |                                                            | 31-56382    | 31-41 TASK 918 |
|            |                                                            | 31-56391    | 31-41 TASK 919 |
|            |                                                            | 31-56392    | 31-41 TASK 920 |
|            |                                                            | 31-56401    | 31-41 TASK 919 |
|            |                                                            | 31-56402    | 31-41 TASK 920 |
|            |                                                            | 31-56411    | 31-41 TASK 919 |
|            |                                                            | 31-56412    | 31-41 TASK 920 |
|            |                                                            | 31-56421    | 31-41 TASK 919 |

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|-------------------|------------------------------------------------------------|------------------|-----------------------|
| 316 482 41        | Maintenance memo shows on the<br>MAT: DISPLAY-2 IN L AIMS. | (continued)      |                       |
|                   |                                                            | 31-56422         | 31-41 TASK 920        |
|                   |                                                            | 31-56431         | 31-41 TASK 919        |
|                   |                                                            | 31-56432         | 31-41 TASK 920        |
|                   |                                                            | 31-56441         | 31-41 TASK 918        |
|                   |                                                            | 31-56442         | 31-41 TASK 920        |
|                   |                                                            | 31-56451         | 31-41 TASK 918        |
|                   |                                                            | 31-56452         | 31-41 TASK 920        |
|                   |                                                            | 31-56461         | 31-41 TASK 919        |
|                   |                                                            | 31-56462         | 31-41 TASK 920        |
|                   |                                                            | 31-56501         | 31-43 TASK 854        |
|                   |                                                            | 31-56502         | 31-43 TASK 854        |
|                   |                                                            | 31-56601         | 31-41 TASK 842        |
|                   |                                                            | 31-56602         | 31-41 TASK 843        |
|                   |                                                            | 31-57321         | 31-41 TASK 926        |
|                   |                                                            | 31-57322         | 31-41 TASK 927        |
|                   |                                                            | 31-57401         | 31-41 TASK 842        |
|                   |                                                            | 31-57402         | 31-41 TASK 843        |
|                   |                                                            | 31-57701         | 31-41 TASK 842        |
|                   |                                                            | 31-57702         | 31-41 TASK 843        |
|                   |                                                            | 31-57711         | 31-41 TASK 842        |
|                   |                                                            | 31-57712         | 31-41 TASK 843        |
|                   |                                                            | 31-57721         | 31-41 TASK 842        |
|                   |                                                            | 31-57722         | 31-41 TASK 843        |
|                   |                                                            | 31-57731         | 31-41 TASK 842        |
|                   |                                                            | 31-57732         | 31-41 TASK 843        |
|                   |                                                            | 31-58013         | 31-43 TASK 872        |
|                   |                                                            | 31-58014         | 31-43 TASK 873        |
|                   |                                                            | 31-58015         | 31-44 TASK 851        |
|                   |                                                            | 31-58016         | 31-44 TASK 852        |
|                   |                                                            | 31-58101         | 31-41 TASK 852        |
|                   |                                                            | 31-58102         | 31-41 TASK 853        |
|                   |                                                            | 31-58111         | 31-41 TASK 854        |
|                   |                                                            | 31-58112         | 31-41 TASK 855        |
|                   |                                                            | 31-58117         | 31-44 TASK 861        |

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|------------|---------------------------------------------------------|-------------|----------------|
| 316 482 41 | Maintenance memo shows on the MAT: DISPLAY-2 IN L AIMS. | (continued) |                |
|            |                                                         | 31-58118    | 31-44 TASK 862 |
|            |                                                         | 31-58121    | 31-41 TASK 856 |
|            |                                                         | 31-58122    | 31-41 TASK 857 |
|            |                                                         | 31-58127    | 31-44 TASK 859 |
|            |                                                         | 31-58128    | 31-44 TASK 860 |
|            |                                                         | 31-58211    | 31-41 TASK 921 |
|            |                                                         | 31-58212    | 31-41 TASK 922 |
|            |                                                         | 31-58241    | 31-41 TASK 921 |
|            |                                                         | 31-58242    | 31-41 TASK 922 |
|            |                                                         | 31-58251    | 31-41 TASK 921 |
|            |                                                         | 31-58252    | 31-41 TASK 922 |
|            |                                                         | 31-58282    | 31-41 TASK 922 |
|            |                                                         | 31-58292    | 31-41 TASK 918 |
|            |                                                         | 31-58331    | 31-41 TASK 921 |
|            |                                                         | 31-58332    | 31-41 TASK 922 |
|            |                                                         | 31-58341    | 31-41 TASK 921 |
|            |                                                         | 31-58351    | 31-41 TASK 921 |
|            |                                                         | 31-58352    | 31-41 TASK 922 |
|            |                                                         | 31-58362    | 31-41 TASK 922 |
|            |                                                         | 31-58371    | 31-41 TASK 921 |
|            |                                                         | 31-58372    | 31-41 TASK 922 |
|            |                                                         | 31-58381    | 31-41 TASK 921 |
|            |                                                         | 31-58382    | 31-41 TASK 918 |
|            |                                                         | 31-58391    | 31-41 TASK 921 |
|            |                                                         | 31-58392    | 31-41 TASK 922 |
|            |                                                         | 31-58401    | 31-41 TASK 921 |
|            |                                                         | 31-58402    | 31-41 TASK 922 |
|            |                                                         | 31-58411    | 31-41 TASK 921 |
|            |                                                         | 31-58412    | 31-41 TASK 922 |
|            |                                                         | 31-58421    | 31-41 TASK 921 |
|            |                                                         | 31-58422    | 31-41 TASK 922 |
|            |                                                         | 31-58431    | 31-41 TASK 921 |
|            |                                                         | 31-58432    | 31-41 TASK 922 |
|            |                                                         | 31-58441    | 31-41 TASK 918 |

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|-------------------|---------------------------------------------------------|------------------|-----------------------|
| 316 482 41        | Maintenance memo shows on the MAT: DISPLAY-2 IN L AIMS. | (continued)      |                       |
|                   |                                                         | 31-58442         | 31-41 TASK 922        |
|                   |                                                         | 31-58451         | 31-41 TASK 918        |
|                   |                                                         | 31-58452         | 31-41 TASK 922        |
|                   |                                                         | 31-58461         | 31-41 TASK 921        |
|                   |                                                         | 31-58462         | 31-41 TASK 922        |
|                   |                                                         | 31-58601         | 31-41 TASK 992        |
|                   |                                                         | 31-58602         | 31-41 TASK 993        |
|                   |                                                         | 31-59321         | 31-41 TASK 953        |
|                   |                                                         | 31-59322         | 31-41 TASK 954        |
|                   |                                                         | 31-59351         | 31-41 TASK 955        |
|                   |                                                         | 31-59352         | 31-41 TASK 956        |
|                   |                                                         | 31-59401         | 31-41 TASK 992        |
|                   |                                                         | 31-59402         | 31-41 TASK 993        |
|                   |                                                         | 31-59701         | 31-41 TASK 858        |
|                   |                                                         | 31-59702         | 31-41 TASK 859        |
|                   |                                                         | 31-59712         | 31-41 TASK 859        |
|                   |                                                         | 31-59721         | 31-41 TASK 858        |
|                   |                                                         | 31-59722         | 31-41 TASK 859        |
|                   |                                                         | 31-59731         | 31-41 TASK 858        |
|                   |                                                         | 31-59732         | 31-41 TASK 859        |
|                   |                                                         | 31-68801         | 31-43 TASK 892        |
|                   |                                                         | 31-68802         | 31-43 TASK 893        |
|                   |                                                         | 31-80020         | 31-61 TASK 829        |
|                   |                                                         | 31-80171         | 31-61 TASK 892        |
|                   |                                                         | 31-80172         | 31-61 TASK 893        |
|                   |                                                         | 31-81011         | 31-61 TASK 811        |
|                   |                                                         | 31-81012         | 31-61 TASK 812        |
|                   |                                                         | 31-81041         | 31-61 TASK 803        |
|                   |                                                         | 31-81042         | 31-61 TASK 804        |
|                   |                                                         | 31-81051         | 31-61 TASK 940        |
|                   |                                                         | 31-81052         | 31-61 TASK 802        |
|                   |                                                         | 31-81081         | 31-61 TASK 813        |
|                   |                                                         | 31-81082         | 31-61 TASK 830        |
|                   |                                                         | 31-82011         | 31-61 TASK 814        |

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|-------------------|---------------------------------------------------------|------------------|-----------------------|
| 316 482 41        | Maintenance memo shows on the MAT: DISPLAY-2 IN L AIMS. | (continued)      |                       |
|                   |                                                         | 31-82012         | 31-61 TASK 831        |
|                   |                                                         | 31-82041         | 31-61 TASK 807        |
|                   |                                                         | 31-82042         | 31-61 TASK 808        |
|                   |                                                         | 31-82051         | 31-61 TASK 805        |
|                   |                                                         | 31-82052         | 31-61 TASK 806        |
|                   |                                                         | 31-82081         | 31-61 TASK 815        |
|                   |                                                         | 31-82082         | 31-61 TASK 832        |
|                   |                                                         | 31-83121         | 31-61 TASK 867        |
|                   |                                                         | 31-83123         | 31-61 TASK 909        |
|                   |                                                         | 31-83141         | 31-61 TASK 914        |
| 316 482 42        | Maintenance memo shows on the MAT: DISPLAY-2 IN R AIMS. | 31-83143         | 31-61 TASK 915        |
|                   |                                                         | 23-81001         | 23-91 TASK 801        |
|                   |                                                         | 23-81002         | 23-91 TASK 802        |
|                   |                                                         | 23-81003         | 23-91 TASK 803        |
|                   |                                                         | 23-81004         | 23-91 TASK 804        |
|                   |                                                         | 23-81005         | 23-91 TASK 805        |
|                   |                                                         | 23-81006         | 23-91 TASK 806        |
|                   |                                                         | 23-81007         | 23-91 TASK 807        |
|                   |                                                         | 24-11787         | 24-32 TASK 817        |
|                   |                                                         | 24-12051         | 24-32 TASK 819        |
|                   |                                                         | 24-12056         | 24-32 TASK 820        |
|                   |                                                         | 24-13815         | 24-61 TASK 806        |
|                   |                                                         | 31-50011         | 31-44 TASK 801        |
|                   |                                                         | 31-50012         | 31-44 TASK 802        |
|                   |                                                         | 31-50017         | 31-44 TASK 823        |
|                   |                                                         | 31-50018         | 31-44 TASK 824        |
|                   |                                                         | 31-50027         | 31-44 TASK 825        |
|                   |                                                         | 31-50028         | 31-44 TASK 826        |
|                   |                                                         | 31-50091         | 31-44 TASK 819        |
|                   |                                                         | 31-50092         | 31-44 TASK 820        |
|                   |                                                         | 31-50101         | 31-43 TASK 865        |
|                   |                                                         | 31-50102         | 31-43 TASK 865        |
|                   |                                                         | 31-50111         | 31-43 TASK 865        |

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|-------------------|------------------------------------------------------------|------------------|-----------------------|
| 316 482 42        | Maintenance memo shows on the<br>MAT: DISPLAY-2 IN R AIMS. | (continued)      |                       |
|                   |                                                            | 31-50112         | 31-43 TASK 865        |
|                   |                                                            | 31-50121         | 31-43 TASK 865        |
|                   |                                                            | 31-50122         | 31-43 TASK 865        |
|                   |                                                            | 31-50131         | 31-43 TASK 865        |
|                   |                                                            | 31-50132         | 31-43 TASK 865        |
|                   |                                                            | 31-50191         | 31-43 TASK 875        |
|                   |                                                            | 31-50192         | 31-43 TASK 875        |
|                   |                                                            | 31-50201         | 31-43 TASK 852        |
|                   |                                                            | 31-50202         | 31-43 TASK 853        |
|                   |                                                            | 31-51033         | 31-44 TASK 869        |
|                   |                                                            | 31-51034         | 31-44 TASK 870        |
|                   |                                                            | 31-51035         | 31-43 TASK 805        |
|                   |                                                            | 31-51036         | 31-43 TASK 806        |
|                   |                                                            | 31-51037         | 31-43 TASK 805        |
|                   |                                                            | 31-51038         | 31-43 TASK 806        |
|                   |                                                            | 31-51043         | 31-44 TASK 871        |
|                   |                                                            | 31-51044         | 31-44 TASK 872        |
|                   |                                                            | 31-51045         | 31-43 TASK 807        |
|                   |                                                            | 31-51046         | 31-43 TASK 808        |
|                   |                                                            | 31-51047         | 31-43 TASK 807        |
|                   |                                                            | 31-51048         | 31-43 TASK 808        |
|                   |                                                            | 31-51517         | 31-44 TASK 861        |
|                   |                                                            | 31-51518         | 31-44 TASK 862        |
|                   |                                                            | 31-51527         | 31-44 TASK 857        |
|                   |                                                            | 31-51528         | 31-44 TASK 858        |
|                   |                                                            | 31-51561         | 31-61 TASK 940        |
|                   |                                                            | 31-51562         | 31-61 TASK 802        |
|                   |                                                            | 31-51563         | 31-61 TASK 803        |
|                   |                                                            | 31-51564         | 31-61 TASK 804        |
|                   |                                                            | 31-51571         | 31-61 TASK 940        |
|                   |                                                            | 31-51572         | 31-61 TASK 802        |
|                   |                                                            | 31-51573         | 31-61 TASK 803        |
|                   |                                                            | 31-51574         | 31-61 TASK 804        |
|                   |                                                            | 31-51717         | 31-44 TASK 861        |

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|-------------------|------------------------------------------------------------|------------------|-----------------------|
| 316 482 42        | Maintenance memo shows on the<br>MAT: DISPLAY-2 IN R AIMS. | (continued)      |                       |
|                   |                                                            | 31-51718         | 31-44 TASK 862        |
|                   |                                                            | 31-51727         | 31-44 TASK 859        |
|                   |                                                            | 31-51728         | 31-44 TASK 860        |
|                   |                                                            | 31-51761         | 31-61 TASK 805        |
|                   |                                                            | 31-51762         | 31-61 TASK 806        |
|                   |                                                            | 31-51763         | 31-61 TASK 807        |
|                   |                                                            | 31-51764         | 31-61 TASK 808        |
|                   |                                                            | 31-51771         | 31-61 TASK 805        |
|                   |                                                            | 31-51772         | 31-61 TASK 806        |
|                   |                                                            | 31-51773         | 31-61 TASK 807        |
|                   |                                                            | 31-51774         | 31-61 TASK 808        |
|                   |                                                            | 31-52013         | 31-43 TASK 866        |
|                   |                                                            | 31-52014         | 31-43 TASK 867        |
|                   |                                                            | 31-52015         | 31-44 TASK 845        |
|                   |                                                            | 31-52016         | 31-44 TASK 846        |
|                   |                                                            | 31-52101         | 31-41 TASK 817        |
|                   |                                                            | 31-52102         | 31-41 TASK 818        |
|                   |                                                            | 31-52111         | 31-41 TASK 819        |
|                   |                                                            | 31-52112         | 31-41 TASK 820        |
|                   |                                                            | 31-52114         | 31-45 TASK 809        |
|                   |                                                            | 31-52117         | 31-44 TASK 855        |
|                   |                                                            | 31-52118         | 31-44 TASK 856        |
|                   |                                                            | 31-52121         | 31-41 TASK 821        |
|                   |                                                            | 31-52122         | 31-41 TASK 822        |
|                   |                                                            | 31-52127         | 31-44 TASK 857        |
|                   |                                                            | 31-52128         | 31-44 TASK 858        |
|                   |                                                            | 31-52301         | 31-41 TASK 914        |
|                   |                                                            | 31-52302         | 31-41 TASK 915        |
|                   |                                                            | 31-52331         | 31-41 TASK 914        |
|                   |                                                            | 31-52332         | 31-41 TASK 915        |
|                   |                                                            | 31-52341         | 31-41 TASK 914        |
|                   |                                                            | 31-52351         | 31-41 TASK 914        |
|                   |                                                            | 31-52352         | 31-41 TASK 915        |
|                   |                                                            | 31-52361         | 31-41 TASK 914        |

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| 316 482 42 | Maintenance memo shows on the<br>MAT: DISPLAY-2 IN R AIMS. | (continued) |                |
|            |                                                            | 31-52362    | 31-41 TASK 915 |
|            |                                                            | 31-52371    | 31-41 TASK 914 |
|            |                                                            | 31-52372    | 31-41 TASK 915 |
|            |                                                            | 31-52381    | 31-41 TASK 914 |
|            |                                                            | 31-52382    | 31-41 TASK 915 |
|            |                                                            | 31-52391    | 31-41 TASK 914 |
|            |                                                            | 31-52392    | 31-41 TASK 915 |
|            |                                                            | 31-52402    | 31-41 TASK 915 |
|            |                                                            | 31-52411    | 31-41 TASK 914 |
|            |                                                            | 31-52412    | 31-41 TASK 915 |
|            |                                                            | 31-52421    | 31-41 TASK 914 |
|            |                                                            | 31-52422    | 31-41 TASK 915 |
|            |                                                            | 31-52431    | 31-41 TASK 914 |
|            |                                                            | 31-52432    | 31-41 TASK 915 |
|            |                                                            | 31-52441    | 31-41 TASK 914 |
|            |                                                            | 31-52442    | 31-41 TASK 915 |
|            |                                                            | 31-52451    | 31-41 TASK 914 |
|            |                                                            | 31-52452    | 31-41 TASK 918 |
|            |                                                            | 31-52461    | 31-41 TASK 914 |
|            |                                                            | 31-52462    | 31-41 TASK 915 |
|            |                                                            | 31-52501    | 31-43 TASK 809 |
|            |                                                            | 31-52502    | 31-43 TASK 810 |
|            |                                                            | 31-52531    | 31-43 TASK 813 |
|            |                                                            | 31-52532    | 31-43 TASK 814 |
|            |                                                            | 31-52541    | 31-43 TASK 815 |
|            |                                                            | 31-52542    | 31-43 TASK 816 |
|            |                                                            | 31-52601    | 31-41 TASK 832 |
|            |                                                            | 31-52602    | 31-41 TASK 833 |
|            |                                                            | 31-53312    | 31-41 TASK 951 |
|            |                                                            | 31-53321    | 31-41 TASK 959 |
|            |                                                            | 31-53322    | 31-41 TASK 960 |
|            |                                                            | 31-53351    | 31-41 TASK 952 |
|            |                                                            | 31-53401    | 31-41 TASK 832 |
|            |                                                            | 31-53402    | 31-41 TASK 833 |

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| 316 482 42 | Maintenance memo shows on the MAT: DISPLAY-2 IN R AIMS. | (continued) |                |
|            |                                                         | 31-53701    | 31-41 TASK 832 |
|            |                                                         | 31-53702    | 31-41 TASK 833 |
|            |                                                         | 31-53711    | 31-41 TASK 832 |
|            |                                                         | 31-53712    | 31-41 TASK 833 |
|            |                                                         | 31-53721    | 31-41 TASK 832 |
|            |                                                         | 31-53722    | 31-41 TASK 833 |
|            |                                                         | 31-53731    | 31-41 TASK 832 |
|            |                                                         | 31-53732    | 31-41 TASK 833 |
|            |                                                         | 31-54013    | 31-43 TASK 868 |
|            |                                                         | 31-54014    | 31-43 TASK 869 |
|            |                                                         | 31-54015    | 31-44 TASK 847 |
|            |                                                         | 31-54016    | 31-44 TASK 848 |
|            |                                                         | 31-54101    | 31-41 TASK 834 |
|            |                                                         | 31-54102    | 31-41 TASK 835 |
|            |                                                         | 31-54111    | 31-41 TASK 836 |
|            |                                                         | 31-54112    | 31-41 TASK 837 |
|            |                                                         | 31-54117    | 31-44 TASK 855 |
|            |                                                         | 31-54118    | 31-44 TASK 856 |
|            |                                                         | 31-54121    | 31-41 TASK 838 |
|            |                                                         | 31-54122    | 31-41 TASK 839 |
|            |                                                         | 31-54127    | 31-44 TASK 859 |
|            |                                                         | 31-54128    | 31-44 TASK 860 |
|            |                                                         | 31-54241    | 31-41 TASK 916 |
|            |                                                         | 31-54242    | 31-41 TASK 917 |
|            |                                                         | 31-54251    | 31-41 TASK 918 |
|            |                                                         | 31-54262    | 31-41 TASK 917 |
|            |                                                         | 31-54271    | 31-41 TASK 916 |
|            |                                                         | 31-54272    | 31-41 TASK 917 |
|            |                                                         | 31-54311    | 31-41 TASK 916 |
|            |                                                         | 31-54331    | 31-41 TASK 916 |
|            |                                                         | 31-54332    | 31-41 TASK 917 |
|            |                                                         | 31-54341    | 31-41 TASK 916 |
|            |                                                         | 31-54351    | 31-41 TASK 916 |
|            |                                                         | 31-54352    | 31-41 TASK 917 |

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|------------|---------------------------------------------------------|-------------|----------------|
| 316 482 42 | Maintenance memo shows on the MAT: DISPLAY-2 IN R AIMS. | (continued) |                |
|            |                                                         | 31-54361    | 31-41 TASK 916 |
|            |                                                         | 31-54362    | 31-41 TASK 917 |
|            |                                                         | 31-54371    | 31-41 TASK 916 |
|            |                                                         | 31-54372    | 31-41 TASK 917 |
|            |                                                         | 31-54381    | 31-41 TASK 916 |
|            |                                                         | 31-54382    | 31-41 TASK 917 |
|            |                                                         | 31-54391    | 31-41 TASK 916 |
|            |                                                         | 31-54392    | 31-41 TASK 917 |
|            |                                                         | 31-54402    | 31-41 TASK 917 |
|            |                                                         | 31-54411    | 31-41 TASK 916 |
|            |                                                         | 31-54412    | 31-41 TASK 917 |
|            |                                                         | 31-54421    | 31-41 TASK 916 |
|            |                                                         | 31-54422    | 31-41 TASK 917 |
|            |                                                         | 31-54431    | 31-41 TASK 916 |
|            |                                                         | 31-54432    | 31-41 TASK 917 |
|            |                                                         | 31-54441    | 31-41 TASK 916 |
|            |                                                         | 31-54442    | 31-41 TASK 917 |
|            |                                                         | 31-54451    | 31-41 TASK 916 |
|            |                                                         | 31-54452    | 31-41 TASK 918 |
|            |                                                         | 31-54461    | 31-41 TASK 916 |
|            |                                                         | 31-54462    | 31-41 TASK 917 |
|            |                                                         | 31-54501    | 31-43 TASK 854 |
|            |                                                         | 31-54502    | 31-43 TASK 854 |
|            |                                                         | 31-54601    | 31-41 TASK 840 |
|            |                                                         | 31-54602    | 31-41 TASK 841 |
|            |                                                         | 31-55321    | 31-41 TASK 963 |
|            |                                                         | 31-55322    | 31-41 TASK 964 |
|            |                                                         | 31-55401    | 31-41 TASK 840 |
|            |                                                         | 31-55402    | 31-41 TASK 841 |
|            |                                                         | 31-55701    | 31-41 TASK 840 |
|            |                                                         | 31-55702    | 31-41 TASK 841 |
|            |                                                         | 31-55711    | 31-41 TASK 840 |
|            |                                                         | 31-55712    | 31-41 TASK 841 |
|            |                                                         | 31-55721    | 31-41 TASK 840 |

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|-------------------|------------------------------------------------------------|------------------|-----------------------|
| 316 482 42        | Maintenance memo shows on the<br>MAT: DISPLAY-2 IN R AIMS. | (continued)      |                       |
|                   |                                                            | 31-55722         | 31-41 TASK 841        |
|                   |                                                            | 31-55731         | 31-41 TASK 840        |
|                   |                                                            | 31-55732         | 31-41 TASK 841        |
|                   |                                                            | 31-56013         | 31-43 TASK 870        |
|                   |                                                            | 31-56014         | 31-43 TASK 871        |
|                   |                                                            | 31-56015         | 31-44 TASK 849        |
|                   |                                                            | 31-56016         | 31-44 TASK 850        |
|                   |                                                            | 31-56101         | 31-41 TASK 844        |
|                   |                                                            | 31-56102         | 31-41 TASK 845        |
|                   |                                                            | 31-56104         | 31-45 TASK 811        |
|                   |                                                            | 31-56111         | 31-41 TASK 846        |
|                   |                                                            | 31-56112         | 31-41 TASK 847        |
|                   |                                                            | 31-56113         | 31-41 TASK 991        |
|                   |                                                            | 31-56114         | 31-45 TASK 810        |
|                   |                                                            | 31-56117         | 31-44 TASK 861        |
|                   |                                                            | 31-56118         | 31-44 TASK 862        |
|                   |                                                            | 31-56121         | 31-41 TASK 848        |
|                   |                                                            | 31-56122         | 31-41 TASK 849        |
|                   |                                                            | 31-56127         | 31-44 TASK 857        |
|                   |                                                            | 31-56128         | 31-44 TASK 858        |
|                   |                                                            | 31-56231         | 31-41 TASK 919        |
|                   |                                                            | 31-56261         | 31-41 TASK 919        |
|                   |                                                            | 31-56272         | 31-41 TASK 920        |
|                   |                                                            | 31-56292         | 31-41 TASK 918        |
|                   |                                                            | 31-56301         | 31-41 TASK 918        |
|                   |                                                            | 31-56321         | 31-41 TASK 919        |
|                   |                                                            | 31-56331         | 31-41 TASK 919        |
|                   |                                                            | 31-56332         | 31-41 TASK 920        |
|                   |                                                            | 31-56341         | 31-41 TASK 919        |
|                   |                                                            | 31-56351         | 31-41 TASK 919        |
|                   |                                                            | 31-56352         | 31-41 TASK 920        |
|                   |                                                            | 31-56362         | 31-41 TASK 920        |
|                   |                                                            | 31-56371         | 31-41 TASK 919        |
|                   |                                                            | 31-56372         | 31-41 TASK 920        |

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|-------------------|------------------------------------------------------------|------------------|-----------------------|
| 316 482 42        | Maintenance memo shows on the<br>MAT: DISPLAY-2 IN R AIMS. | (continued)      |                       |
|                   |                                                            | 31-56381         | 31-41 TASK 919        |
|                   |                                                            | 31-56382         | 31-41 TASK 918        |
|                   |                                                            | 31-56391         | 31-41 TASK 919        |
|                   |                                                            | 31-56392         | 31-41 TASK 920        |
|                   |                                                            | 31-56401         | 31-41 TASK 919        |
|                   |                                                            | 31-56402         | 31-41 TASK 920        |
|                   |                                                            | 31-56411         | 31-41 TASK 919        |
|                   |                                                            | 31-56412         | 31-41 TASK 920        |
|                   |                                                            | 31-56421         | 31-41 TASK 919        |
|                   |                                                            | 31-56422         | 31-41 TASK 920        |
|                   |                                                            | 31-56431         | 31-41 TASK 919        |
|                   |                                                            | 31-56432         | 31-41 TASK 920        |
|                   |                                                            | 31-56441         | 31-41 TASK 918        |
|                   |                                                            | 31-56442         | 31-41 TASK 920        |
|                   |                                                            | 31-56451         | 31-41 TASK 918        |
|                   |                                                            | 31-56452         | 31-41 TASK 920        |
|                   |                                                            | 31-56461         | 31-41 TASK 919        |
|                   |                                                            | 31-56462         | 31-41 TASK 920        |
|                   |                                                            | 31-56501         | 31-43 TASK 854        |
|                   |                                                            | 31-56502         | 31-43 TASK 854        |
|                   |                                                            | 31-56601         | 31-41 TASK 842        |
|                   |                                                            | 31-56602         | 31-41 TASK 843        |
|                   |                                                            | 31-57321         | 31-41 TASK 926        |
|                   |                                                            | 31-57322         | 31-41 TASK 927        |
|                   |                                                            | 31-57401         | 31-41 TASK 842        |
|                   |                                                            | 31-57402         | 31-41 TASK 843        |
|                   |                                                            | 31-57701         | 31-41 TASK 842        |
|                   |                                                            | 31-57702         | 31-41 TASK 843        |
|                   |                                                            | 31-57711         | 31-41 TASK 842        |
|                   |                                                            | 31-57712         | 31-41 TASK 843        |
|                   |                                                            | 31-57721         | 31-41 TASK 842        |
|                   |                                                            | 31-57722         | 31-41 TASK 843        |
|                   |                                                            | 31-57731         | 31-41 TASK 842        |
|                   |                                                            | 31-57732         | 31-41 TASK 843        |

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|-------------------|------------------------------------------------------------|------------------|-----------------------|
| 316 482 42        | Maintenance memo shows on the<br>MAT: DISPLAY-2 IN R AIMS. | (continued)      |                       |
|                   |                                                            | 31-58013         | 31-43 TASK 872        |
|                   |                                                            | 31-58014         | 31-43 TASK 873        |
|                   |                                                            | 31-58015         | 31-44 TASK 851        |
|                   |                                                            | 31-58016         | 31-44 TASK 852        |
|                   |                                                            | 31-58101         | 31-41 TASK 852        |
|                   |                                                            | 31-58102         | 31-41 TASK 853        |
|                   |                                                            | 31-58111         | 31-41 TASK 854        |
|                   |                                                            | 31-58112         | 31-41 TASK 855        |
|                   |                                                            | 31-58117         | 31-44 TASK 861        |
|                   |                                                            | 31-58118         | 31-44 TASK 862        |
|                   |                                                            | 31-58121         | 31-41 TASK 856        |
|                   |                                                            | 31-58122         | 31-41 TASK 857        |
|                   |                                                            | 31-58127         | 31-44 TASK 859        |
|                   |                                                            | 31-58128         | 31-44 TASK 860        |
|                   |                                                            | 31-58211         | 31-41 TASK 921        |
|                   |                                                            | 31-58212         | 31-41 TASK 922        |
|                   |                                                            | 31-58241         | 31-41 TASK 921        |
|                   |                                                            | 31-58242         | 31-41 TASK 922        |
|                   |                                                            | 31-58251         | 31-41 TASK 921        |
|                   |                                                            | 31-58252         | 31-41 TASK 922        |
|                   |                                                            | 31-58282         | 31-41 TASK 922        |
|                   |                                                            | 31-58292         | 31-41 TASK 918        |
|                   |                                                            | 31-58331         | 31-41 TASK 921        |
|                   |                                                            | 31-58332         | 31-41 TASK 922        |
|                   |                                                            | 31-58341         | 31-41 TASK 921        |
|                   |                                                            | 31-58351         | 31-41 TASK 921        |
|                   |                                                            | 31-58352         | 31-41 TASK 922        |
|                   |                                                            | 31-58362         | 31-41 TASK 922        |
|                   |                                                            | 31-58371         | 31-41 TASK 921        |
|                   |                                                            | 31-58372         | 31-41 TASK 922        |
|                   |                                                            | 31-58381         | 31-41 TASK 921        |
|                   |                                                            | 31-58382         | 31-41 TASK 918        |
|                   |                                                            | 31-58391         | 31-41 TASK 921        |
|                   |                                                            | 31-58392         | 31-41 TASK 922        |

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|-------------------|------------------------------------------------------------|------------------|-----------------------|
| 316 482 42        | Maintenance memo shows on the<br>MAT: DISPLAY-2 IN R AIMS. | (continued)      |                       |
|                   |                                                            | 31-58401         | 31-41 TASK 921        |
|                   |                                                            | 31-58402         | 31-41 TASK 922        |
|                   |                                                            | 31-58411         | 31-41 TASK 921        |
|                   |                                                            | 31-58412         | 31-41 TASK 922        |
|                   |                                                            | 31-58421         | 31-41 TASK 921        |
|                   |                                                            | 31-58422         | 31-41 TASK 922        |
|                   |                                                            | 31-58431         | 31-41 TASK 921        |
|                   |                                                            | 31-58432         | 31-41 TASK 922        |
|                   |                                                            | 31-58441         | 31-41 TASK 918        |
|                   |                                                            | 31-58442         | 31-41 TASK 922        |
|                   |                                                            | 31-58451         | 31-41 TASK 918        |
|                   |                                                            | 31-58452         | 31-41 TASK 922        |
|                   |                                                            | 31-58461         | 31-41 TASK 921        |
|                   |                                                            | 31-58462         | 31-41 TASK 922        |
|                   |                                                            | 31-58601         | 31-41 TASK 992        |
|                   |                                                            | 31-58602         | 31-41 TASK 993        |
|                   |                                                            | 31-59321         | 31-41 TASK 953        |
|                   |                                                            | 31-59322         | 31-41 TASK 954        |
|                   |                                                            | 31-59351         | 31-41 TASK 955        |
|                   |                                                            | 31-59352         | 31-41 TASK 956        |
|                   |                                                            | 31-59401         | 31-41 TASK 992        |
|                   |                                                            | 31-59402         | 31-41 TASK 993        |
|                   |                                                            | 31-59701         | 31-41 TASK 858        |
|                   |                                                            | 31-59702         | 31-41 TASK 859        |
|                   |                                                            | 31-59712         | 31-41 TASK 859        |
|                   |                                                            | 31-59721         | 31-41 TASK 858        |
|                   |                                                            | 31-59722         | 31-41 TASK 859        |
|                   |                                                            | 31-59731         | 31-41 TASK 858        |
|                   |                                                            | 31-59732         | 31-41 TASK 859        |
|                   |                                                            | 31-68801         | 31-43 TASK 892        |
|                   |                                                            | 31-68802         | 31-43 TASK 893        |
|                   |                                                            | 31-80020         | 31-61 TASK 829        |
|                   |                                                            | 31-80171         | 31-61 TASK 892        |
|                   |                                                            | 31-80172         | 31-61 TASK 893        |

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|------------|--------------------------------------------------------------------------|-------------|----------------|
| 316 482 42 | Maintenance memo shows on the MAT: DISPLAY-2 IN R AIMS.                  | (continued) |                |
|            |                                                                          | 31-81011    | 31-61 TASK 811 |
|            |                                                                          | 31-81012    | 31-61 TASK 812 |
|            |                                                                          | 31-81041    | 31-61 TASK 803 |
|            |                                                                          | 31-81042    | 31-61 TASK 804 |
|            |                                                                          | 31-81051    | 31-61 TASK 940 |
|            |                                                                          | 31-81052    | 31-61 TASK 802 |
|            |                                                                          | 31-81081    | 31-61 TASK 813 |
|            |                                                                          | 31-81082    | 31-61 TASK 830 |
|            |                                                                          | 31-82011    | 31-61 TASK 814 |
|            |                                                                          | 31-82012    | 31-61 TASK 831 |
|            |                                                                          | 31-82041    | 31-61 TASK 807 |
|            |                                                                          | 31-82042    | 31-61 TASK 808 |
|            |                                                                          | 31-82051    | 31-61 TASK 805 |
|            |                                                                          | 31-82052    | 31-61 TASK 806 |
|            |                                                                          | 31-82081    | 31-61 TASK 815 |
|            |                                                                          | 31-82082    | 31-61 TASK 832 |
|            |                                                                          | 31-83122    | 31-61 TASK 908 |
|            |                                                                          | 31-83124    | 31-61 TASK 910 |
|            |                                                                          | 31-83142    | 31-61 TASK 869 |
|            |                                                                          | 31-83144    | 31-61 TASK 916 |
| 316 601 00 | EICAS message: Shows for system not installed on the airplane.           |             | 31-61 TASK 955 |
| 316 603 42 | Display unit: screen has spots or other degradation - right inboard DU.  |             | 31-61 TASK 961 |
| 316 603 47 | Display unit: screen has spots or other degradation - center lower DU.   |             | 31-61 TASK 961 |
| 316 604 41 | Display unit: screen has spots or other degradation - left inboard DU.   |             | 31-61 TASK 961 |
| 316 604 46 | Display unit: screen has spots or other degradation - center upper DU.   |             | 31-61 TASK 961 |
| 316 605 41 | Display unit: screen has spots or other degradation - left outboard DU.  |             | 31-61 TASK 961 |
| 316 605 42 | Display unit: screen has spots or other degradation - right outboard DU. |             | 31-61 TASK 961 |
| 316 607 41 | Display unit: Brightness irregular - left outboard DU.                   |             | 31-61 TASK 930 |

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|-------------------|-------------------------------------------------------------------------|------------------|-----------------------|
| 316 607 42        | Display unit: Brightness irregular - right outboard DU.                 |                  | 31-61 TASK 930        |
| 316 608 41        | Display unit: Brightness irregular - left inboard DU.                   |                  | 31-61 TASK 930        |
| 316 608 42        | Display unit: Brightness irregular - right inboard DU.                  |                  | 31-61 TASK 930        |
| 316 609 46        | Display unit: Brightness irregular - center upper DU.                   |                  | 31-61 TASK 930        |
| 316 609 47        | Display unit: Brightness irregular - center lower DU.                   |                  | 31-61 TASK 930        |
| 316 611 41        | Display unit: blank - left outboard DU.                                 |                  | 31-61 TASK 941        |
| 316 611 42        | Display unit: blank - right outboard DU.                                |                  | 31-61 TASK 941        |
| 316 612 41        | Display unit: blank - left inboard DU.                                  |                  | 31-61 TASK 941        |
| 316 612 42        | Display unit: blank - right inboard DU.                                 |                  | 31-61 TASK 941        |
| 316 613 46        | Display unit: blank - center upper DU.                                  |                  | 31-61 TASK 941        |
| 316 613 47        | Display unit: blank - center lower DU.                                  |                  | 31-61 TASK 941        |
| 316 616 41        | Display unit: Color presentation incorrect - left outboard DU.          |                  | 31-61 TASK 941        |
| 316 616 42        | Display unit: Color presentation incorrect - right outboard DU.         |                  | 31-61 TASK 941        |
| 316 617 41        | Display unit: Color presentation incorrect - left inboard DU.           |                  | 31-61 TASK 941        |
| 316 617 42        | Display unit: Color presentation incorrect - right inboard DU.          |                  | 31-61 TASK 941        |
| 316 618 46        | Display unit: Color presentation incorrect - center upper DU.           |                  | 31-61 TASK 941        |
| 316 618 47        | Display unit: Color presentation incorrect - center lower DU.           |                  | 31-61 TASK 941        |
| 316 621 41        | Display unit: automatic brightness control problem - left outboard DU.  |                  | 31-61 TASK 931        |
| 316 621 42        | Display unit: automatic brightness control problem - right outboard DU. |                  | 31-61 TASK 931        |
| 316 622 41        | Display unit: automatic brightness control problem - left inboard DU.   |                  | 31-61 TASK 931        |
| 316 622 42        | Display unit: automatic brightness control problem - right inboard DU.  |                  | 31-61 TASK 931        |
| 316 623 46        | Display unit: automatic brightness control problem - center upper DU.   |                  | 31-61 TASK 931        |
| 316 623 47        | Display unit: automatic brightness control problem - center lower DU.   |                  | 31-61 TASK 931        |

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|-------------------|--------------------------------------------------------------------------------------------------------|------------------|-----------------------|
| 316 626 41        | Display unit: manual brightness control problem - left outboard DU.                                    |                  | 31-61 TASK 822        |
| 316 626 42        | Display unit: manual brightness control problem - right outboard DU.                                   |                  | 31-61 TASK 822        |
| 316 627 41        | Display unit: manual brightness control problem - left inboard DU.                                     |                  | 31-61 TASK 822        |
| 316 627 42        | Display unit: manual brightness control problem - right inboard DU.                                    |                  | 31-61 TASK 822        |
| 316 628 46        | Display unit: manual brightness control problem - center upper DU.                                     |                  | 31-61 TASK 942        |
| 316 628 47        | Display unit: manual brightness control problem - center lower DU.                                     |                  | 31-61 TASK 942        |
| 316 631 00        | Display select panel CANC/RCL switch: does not remove caution or advisory messages from display.       |                  | 31-61 TASK 818        |
| 316 632 00        | Display select panel CANC/RCL switch: does not show cancelled caution or advisory messages on display. |                  | 31-61 TASK 818        |
| 316 633 00        | Display (inboard) selector: does not cause specified display to show.                                  |                  | 31-61 TASK 819        |
| 316 640 41        | Ground maneuver camera system: video display blank - main gear left camera.                            |                  | 31-61 TASK 962        |
| 316 640 42        | Ground maneuver camera system: video display blank - main gear right camera.                           |                  | 31-61 TASK 962        |
| 316 640 44        | Ground maneuver camera system: video display blank - nose gear camera.                                 |                  | 31-61 TASK 962        |
| 316 640 48        | Ground maneuver camera system: video display blank - all cameras.                                      |                  | 31-61 TASK 962        |
| 316 641 41        | Ground maneuver camera system: video display color problem - main gear left camera.                    |                  | 31-61 TASK 962        |
| 316 641 42        | Ground maneuver camera system: video display color problem - main gear right camera.                   |                  | 31-61 TASK 962        |
| 316 641 44        | Ground maneuver camera system: video display color problem - nose gear camera.                         |                  | 31-61 TASK 962        |
| 316 641 48        | Ground maneuver camera system: video display color problem - all cameras.                              |                  | 31-61 TASK 962        |
| 316 651 31        | PFD: DH indication blank - captain's.                                                                  |                  | 31-61 TASK 823        |
| 316 651 32        | PFD: DH indication blank - first officer's.                                                            |                  | 31-61 TASK 824        |
| 316 652 31        | PFD: DH alert problem - captain's.                                                                     |                  | 31-61 TASK 823        |
| 316 652 32        | PFD: DH alert problem - first officer's.                                                               |                  | 31-61 TASK 824        |
| 316 653 31        | PFD: DH alert does not reset - captain's.                                                              |                  | 31-61 TASK 823        |

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| <b>FAULT CODE</b> | <b>FAULT DESCRIPTION</b>                                                                                                     | <b>MAINT MSG</b> | <b>GO TO FIM TASK</b> |
|-------------------|------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------|
| 316 653 32        | PFD: DH alert does not reset - first officer's.                                                                              |                  | 31-61 TASK 824        |
| 316 654 31        | PFD: attitude indication blank or in incorrect colors - captain's.                                                           |                  | 34-21 TASK 892        |
| 316 654 32        | PFD: attitude indication blank or in incorrect colors - first officer's.                                                     |                  | 34-21 TASK 892        |
| 316 671 31        | ILS frequency: does not show on ND - captain's.                                                                              |                  | 34-31 TASK 844        |
| 316 671 32        | ILS frequency: does not show on ND - first officer's.                                                                        |                  | 34-31 TASK 844        |
| 316 672 31        | ILS frequency: shows as amber dashes (----/---) on PFD - captain's.                                                          |                  | 34-31 TASK 883        |
| 316 672 32        | ILS frequency: shows as amber dashes (----/---) on PFD - first officer's.                                                    |                  | 34-31 TASK 883        |
| 316 681 31        | ILS deviation scale and pointer: do not show on PFD and ND - captain's.                                                      |                  | 34-31 TASK 845        |
| 316 681 32        | ILS deviation scale and pointer: do not show on PFD and ND - first officer's.                                                |                  | 34-31 TASK 845        |
| 316 691 31        | EFIS control panel problem - captain's.                                                                                      |                  | 31-61 TASK 827        |
| 316 691 32        | EFIS control panel problem - first officer's.                                                                                |                  | 31-61 TASK 828        |
| 316 692 31        | EFIS control panel: does not show desired information on PFD - captain's.                                                    |                  | 31-61 TASK 827        |
| 316 692 32        | EFIS control panel: does not show desired information on PFD - first officer's.                                              |                  | 31-61 TASK 828        |
| 316 693 31        | EFIS control panel: does not show desired information on ND - captain's.                                                     |                  | 31-61 TASK 827        |
| 316 693 32        | EFIS control panel: does not show desired information on ND - first officer's.                                               |                  | 31-61 TASK 828        |
| 316 811 00        | Electronic checklist: ENABLE button for electronic checklist function on maintenance task maintenance page does not operate. |                  | 31-61 TASK 956        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                                                                                                                                                                                                                                                  | <b>GO TO FIM TASK</b> |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-13011             | ARINC Signal Gateway (left), LSCF has an internal fault.                                                                                                                                                                                                                                                                                                             | 31-09 TASK 804        |
| 31-13012             | ARINC Signal Gateway (right), LSCF has an internal fault.                                                                                                                                                                                                                                                                                                            | 31-09 TASK 805        |
| 31-13013             | ARINC Signal Gateway (left), RSCF has an internal fault.                                                                                                                                                                                                                                                                                                             | 31-09 TASK 806        |
| 31-13014             | ARINC Signal Gateway (right), RSCF has an internal fault.                                                                                                                                                                                                                                                                                                            | 31-09 TASK 807        |
| 31-13021             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>ARINC Signal Gateway (left), LSCF Program Pins are incorrect.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>ARINC Signal Gateway (left), LSCF program pins are incorrect.   | 31-09 TASK 808        |
| 31-13022             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>ARINC Signal Gateway (right), LSCF Program Pins are incorrect.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>ARINC Signal Gateway (right), LSCF program pins are incorrect. | 31-09 TASK 809        |
| 31-13023             | ARINC Signal Gateway (left), RSCF program pins are incorrect.                                                                                                                                                                                                                                                                                                        | 31-09 TASK 810        |
| 31-13024             | ARINC Signal Gateway (right), RSCF program pins are incorrect.                                                                                                                                                                                                                                                                                                       | 31-09 TASK 811        |
| 31-14011             | ARINC Signal Gateway (left), LSCF has no input from Linear/Monitor 1 LSCF on Power Supply 1 Bus.                                                                                                                                                                                                                                                                     | 31-09 TASK 812        |
| 31-14012             | ARINC Signal Gateway (right), LSCF has no input from Linear/Monitor 1 LSCF on Power Supply 1 Bus.                                                                                                                                                                                                                                                                    | 31-09 TASK 813        |
| 31-14013             | ARINC Signal Gateway (left), RSCF has no input from Linear/Monitor 1 RSCF on Power Supply 1 Bus.                                                                                                                                                                                                                                                                     | 31-09 TASK 814        |
| 31-14014             | ARINC Signal Gateway (right), RSCF has no input from Linear/Monitor 1 RSCF on Power Supply 1 Bus.                                                                                                                                                                                                                                                                    | 31-09 TASK 815        |
| 31-14015             | Linear/Monitor 1 LSCF has no output on Power Supply 1 Bus.                                                                                                                                                                                                                                                                                                           | 31-09 TASK 816        |
| 31-14016             | Linear/Monitor 1 RSCF has no output on Power Supply 1 Bus.                                                                                                                                                                                                                                                                                                           | 31-09 TASK 817        |
| 31-14017             | Linear/Monitor 1 LSCF has an internal fault.                                                                                                                                                                                                                                                                                                                         | 31-09 TASK 818        |
| 31-14018             | Linear/Monitor 1 RSCF has an internal fault.                                                                                                                                                                                                                                                                                                                         | 31-09 TASK 818        |
| 31-14021             | Linear/Monitor 1 LSCF power is out of range or switch in LSCF, slot A03 is off.                                                                                                                                                                                                                                                                                      | 31-09 TASK 819        |
| 31-14022             | Linear/Monitor 1 LSCF power is out of range switch in LSCF, slot A03 is off.                                                                                                                                                                                                                                                                                         | 31-09 TASK 819        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                          | <b>GO TO FIM TASK</b> |
|----------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-14023             | Linear/Monitor 1 RSCF power is out of range or switch in RSCF, slot A03 is off.                                              | 31-09 TASK 819        |
| 31-14024             | Linear/Monitor 1 RSCF power is out of range or switch in RSCF, slot A03 is off.                                              | 31-09 TASK 819        |
| 31-14031             | LSCF Power Supply Preregulator 1 is not available.                                                                           | 31-09 TASK 820        |
| 31-14043             | RSCF Power Supply Preregulator 1 is not available.                                                                           | 31-09 TASK 820        |
| 31-14051             | ARINC Signal Gateway (left), LSCF has no input from Linear/Monitor 2 LSCF on Power Supply 2 Bus.                             | 31-09 TASK 821        |
| 31-14052             | ARINC Signal Gateway (right), LSCF has no input from Linear/Monitor 2 LSCF on Power Supply 2 Bus.                            | 31-09 TASK 822        |
| 31-14053             | ARINC Signal Gateway (left), RSCF has no input from Linear/Monitor 2 RSCF on Power Supply 2 Bus.                             | 31-09 TASK 823        |
| 31-14054             | ARINC Signal Gateway (right), RSCF has no input from Linear/Monitor 2 RSCF on Power Supply 2 Bus.                            | 31-09 TASK 824        |
| 31-14055             | Linear/Monitor 2 LSCF has no output on Power Supply 2 Bus.                                                                   | 31-09 TASK 825        |
| 31-14056             | Linear/Monitor 2 RSCF has no output on Power Supply 2 Bus.                                                                   | 31-09 TASK 826        |
| 31-14057             | Linear/Monitor 2 LSCF has an internal fault.                                                                                 | 31-09 TASK 827        |
| 31-14058             | Linear/Monitor 2 RSCF has an internal fault.                                                                                 | 31-09 TASK 827        |
| 31-14061             | Linear/Monitor 2 LSCF power is out of range or switch in LSCF, slot A18 is off.                                              | 31-09 TASK 828        |
| 31-14062*            | Linear/Monitor 2 LSCF power is out of range or switch in LSCF, slot A18 is off.                                              | 31-09 TASK 828        |
| 31-14063             | Linear/Monitor 2 RSCF power is out of range or switch in RSCF, slot A18 is off.                                              | 31-09 TASK 828        |
| 31-14064*            | Linear/Monitor 2 RSCF power is out of range or switch in RSCF, slot A18 is off.                                              | 31-09 TASK 828        |
| 31-14072             | LSCF Power Supply Preregulator 2 is not available.                                                                           | 31-09 TASK 829        |
| 31-14084             | RSCF Power Supply Preregulator 2 is not available.                                                                           | 31-09 TASK 829        |
| 31-17413             | ARINC Signal Gateway (left), LSCF has no input from Left AIMS on System ARINC 629 Bus (left).                                | 31-09 TASK 830        |
| 31-17414             | ARINC Signal Gateway (left), RSCF has no input from Left AIMS on System ARINC 629 Bus (left).                                | 31-09 TASK 831        |
| 31-17417             | ARINC Signal Gateway (left), LSCF has no input from Right AIMS on System ARINC 629 Bus (left).                               | 31-09 TASK 832        |
| 31-17418             | ARINC Signal Gateway (left), RSCF has no input from Right AIMS on System ARINC 629 Bus (left).                               | 31-09 TASK 833        |
| 31-17429             | ARINC Signal Gateway (left), LSCF has no input from Air Supply Cabin Pressure Controller (L) on System ARINC 629 Bus (left). | 31-09 TASK 801        |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                          | <b>GO TO FIM TASK</b> |
|----------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-17430             | ARINC Signal Gateway (left), RSCF has no input from Air Supply Cabin Pressure Controller (L) on System ARINC 629 Bus (left). | 31-09 TASK 834        |
| 31-17437             | ARINC Signal Gateway (left), LSCF has no input from ARINC Signal Gateway (left), RSCF on System ARINC 629 Bus (left).        | 31-09 TASK 835        |
| 31-17438             | ARINC Signal Gateway (left), RSCF has no input from ARINC Signal Gateway (left), LSCF on System ARINC 629 Bus (left).        | 31-09 TASK 836        |
| 31-17441             | ARINC Signal Gateway (left), LSCF has no input from Converter on System ARINC 629 Bus (left).                                | 31-09 TASK 802        |
| 31-17442             | ARINC Signal Gateway (left), RSCF has no input from Converter on System ARINC 629 Bus (left).                                | 31-10 TASK 801        |
| 31-17445             | ARINC Signal Gateway (left), LSCF has no input from Bus Power Control Unit (BPCU) on System ARINC 629 Bus (left).            | 31-10 TASK 802        |
| 31-17446             | ARINC Signal Gateway (left), RSCF has no input from Bus Power Control Unit (BPCU) on System ARINC 629 Bus (left).            | 31-10 TASK 803        |
| 31-17449             | ARINC Signal Gateway (left), LSCF has no input from Cabin Temperature Controller (Left) on System ARINC 629 Bus (left).      | 31-10 TASK 804        |
| 31-17450             | ARINC Signal Gateway (left), RSCF has no input from Cabin Temperature Controller (Left) on System ARINC 629 Bus (left).      | 31-10 TASK 805        |
| 31-17453             | ARINC Signal Gateway (left), LSCF has no input from Cabin Temperature Controller (Right) on System ARINC 629 Bus (left).     | 31-10 TASK 806        |
| 31-17454             | ARINC Signal Gateway (left), RSCF has no input from Cabin Temperature Controller (Right) on System ARINC 629 Bus (left).     | 31-10 TASK 807        |
| 31-17469             | ARINC Signal Gateway (left), LSCF has no input from FSEU 1 on System ARINC 629 Bus (left).                                   | 31-10 TASK 822        |
| 31-17470             | ARINC Signal Gateway (left), RSCF has no input from FSEU 1 on System ARINC 629 Bus (left).                                   | 31-10 TASK 823        |
| 31-17472             | ARINC Signal Gateway (left), LSCF has no input from ELMS P110 Electronics Unit on System ARINC 629 Bus (left).               | 31-10 TASK 859        |
| 31-17473             | ARINC Signal Gateway (left), RSCF has no input from ELMS P110 Electronics Unit on System ARINC 629 Bus (left).               | 31-10 TASK 860        |
| 31-17474             | ARINC Signal Gateway (left), LSCF has no input from ELMS P310 Electronics Unit on System ARINC 629 Bus (left).               | 31-10 TASK 861        |
| 31-17475             | ARINC Signal Gateway (left), RSCF has no input from ELMS P310 Electronics Unit on System ARINC 629 Bus (left).               | 31-10 TASK 862        |
| 31-17477*            | ARINC Signal Gateway (left), LSCF has no input from Overhead Panel Bus Controller (L) on System ARINC 629 Bus (left).        | 31-10 TASK 824        |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                   | GO TO FIM TASK |
|---------------|--------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-17478*     | ARINC Signal Gateway (left), RSCF has no input from Overhead Panel Bus Controller (L) on System ARINC 629 Bus (left).          | 31-10 TASK 825 |
| 31-17481*     | ARINC Signal Gateway (left), LSCF has no input from Overhead Panel Bus Controller (R) on System ARINC 629 Bus (left).          | 31-10 TASK 826 |
| 31-17482*     | ARINC Signal Gateway (left), RSCF has no input from Overhead Panel Bus Controller (R) on System ARINC 629 Bus (left).          | 31-10 TASK 827 |
| 31-17485      | ARINC Signal Gateway (left), LSCF has no input from PSEU 1 (L1) on System ARINC 629 Bus (left).                                | 31-10 TASK 828 |
| 31-17486      | ARINC Signal Gateway (left), RSCF has no input from PSEU 1 (L1) on System ARINC 629 Bus (left).                                | 31-10 TASK 829 |
| 31-17489      | ARINC Signal Gateway (left), LSCF has no input from PSEU 2 (L2) on System ARINC 629 Bus (left).                                | 31-10 TASK 830 |
| 31-17490      | ARINC Signal Gateway (left), RSCF has no input from PSEU 2 (L2) on System ARINC 629 Bus (left).                                | 31-10 TASK 831 |
| 31-17493      | ARINC Signal Gateway (left), LSCF has no input from Warning Electronic Unit (left) on System ARINC 629 Bus (left).             | 31-10 TASK 832 |
| 31-17494      | ARINC Signal Gateway (left), RSCF has no input from Warning Electronic Unit (left) on System ARINC 629 Bus (left).             | 31-10 TASK 833 |
| 31-17500      | ARINC Signal Gateway (left), LSCF has no input from ELMS P210 Electronics Unit on System ARINC 629 Bus (left).                 | 31-10 TASK 869 |
| 31-17501      | ARINC Signal Gateway (left), RSCF has no input from ELMS P210 Electronics Unit on System ARINC 629 Bus (left).                 | 31-10 TASK 870 |
| 31-17615      | ARINC Signal Gateway (right), LSCF has no input from Left AIMS on System ARINC 629 Bus (right).                                | 31-10 TASK 834 |
| 31-17616      | ARINC Signal Gateway (right), RSCF has no input from Left AIMS on System ARINC 629 Bus (right).                                | 31-10 TASK 835 |
| 31-17619      | ARINC Signal Gateway (right), LSCF has no input from Right AIMS on System ARINC 629 Bus (right).                               | 31-10 TASK 836 |
| 31-17620      | ARINC Signal Gateway (right), RSCF has no input from Right AIMS on System ARINC 629 Bus (right).                               | 31-10 TASK 837 |
| 31-17635      | ARINC Signal Gateway (right), LSCF has no input from Air Supply Cabin Pressure Controller (R) on System ARINC 629 Bus (right). | 31-10 TASK 838 |
| 31-17636      | ARINC Signal Gateway (right), RSCF has no input from Air Supply Cabin Pressure Controller (R) on System ARINC 629 Bus (right). | 31-10 TASK 839 |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                               | GO TO FIM TASK |
|---------------|----------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-17639      | ARINC Signal Gateway (right), LSCF has no input from ARINC Signal Gateway (right), RSCF on System ARINC 629 Bus (right).   | 31-10 TASK 814 |
| 31-17640      | ARINC Signal Gateway (right), RSCF has no input from ARINC Signal Gateway (right), LSCF on System ARINC 629 Bus (right).   | 31-10 TASK 815 |
| 31-17643      | ARINC Signal Gateway (right), LSCF has no input from Converter on System ARINC 629 Bus (right).                            | 31-10 TASK 840 |
| 31-17644      | ARINC Signal Gateway (right), RSCF has no input from Converter on System ARINC 629 Bus (right).                            | 31-10 TASK 841 |
| 31-17647      | ARINC Signal Gateway (right), LSCF has no input from Bus Power Control Unit (BPCU) on System ARINC 629 Bus (right).        | 31-10 TASK 842 |
| 31-17648      | ARINC Signal Gateway (right), RSCF has no input from Bus Power Control Unit (BPCU) on System ARINC 629 Bus (right).        | 31-10 TASK 843 |
| 31-17651      | ARINC Signal Gateway (right), LSCF has no input from Cabin Temperature Controller (Left) on System ARINC 629 Bus (right).  | 31-10 TASK 844 |
| 31-17652      | ARINC Signal Gateway (right), RSCF has no input from Cabin Temperature Controller (Left) on System ARINC 629 Bus (right).  | 31-10 TASK 845 |
| 31-17655      | ARINC Signal Gateway (right), LSCF has no input from Cabin Temperature Controller (Right) on System ARINC 629 Bus (right). | 31-10 TASK 846 |
| 31-17656      | ARINC Signal Gateway (right), RSCF has no input from Cabin Temperature Controller (Right) on System ARINC 629 Bus (right). | 31-10 TASK 847 |
| 31-17669      | ARINC Signal Gateway (right), RSCF has no input from ELMS P210 Electronics Unit on System ARINC 629 Bus (right).           | 31-10 TASK 866 |
| 31-17670      | ARINC Signal Gateway (right), LSCF has no input from ELMS P310 Electronics Unit on System ARINC 629 Bus (right).           | 31-10 TASK 867 |
| 31-17671      | ARINC Signal Gateway (right), RSCF has no input from ELMS P310 Electronics Unit on System ARINC 629 Bus (right).           | 31-10 TASK 868 |
| 31-17675      | ARINC Signal Gateway (right), LSCF has no input from FSEU 2 on System ARINC 629 Bus (right).                               | 31-10 TASK 848 |
| 31-17676      | ARINC Signal Gateway (right), RSCF has no input from FSEU 2 on System ARINC 629 Bus (right).                               | 31-10 TASK 849 |
| 31-17679*     | ARINC Signal Gateway (right), LSCF has no input from Overhead Panel Bus Controller (L) on System ARINC 629 Bus (right).    | 31-10 TASK 850 |
| 31-17680*     | ARINC Signal Gateway (right), RSCF has no input from Overhead Panel Bus Controller (L) on System ARINC 629 Bus (right).    | 31-10 TASK 851 |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                     | <b>GO TO FIM TASK</b> |
|----------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-17683*            | ARINC Signal Gateway (right), LSCF has no input from Overhead Panel Bus Controller (R) on System ARINC 629 Bus (right). | 31-10 TASK 852        |
| 31-17684*            | ARINC Signal Gateway (right), RSCF has no input from Overhead Panel Bus Controller (R) on System ARINC 629 Bus (right). | 31-10 TASK 853        |
| 31-17687             | ARINC Signal Gateway (right), LSCF has no input from PSEU 1 (R1) on System ARINC 629 Bus (right).                       | 31-10 TASK 854        |
| 31-17688             | ARINC Signal Gateway (right), RSCF has no input from PSEU 1 (R1) on System ARINC 629 Bus (right).                       | 31-10 TASK 855        |
| 31-17691             | ARINC Signal Gateway (right), LSCF has no input from PSEU 2 (R2) on System ARINC 629 Bus (right).                       | 31-10 TASK 856        |
| 31-17692             | ARINC Signal Gateway (right), RSCF has no input from PSEU 2 (R2) on System ARINC 629 Bus (right).                       | 31-10 TASK 857        |
| 31-17699             | ARINC Signal Gateway (right), LSCF has no input from Warning Electronic Unit (right) on System ARINC 629 Bus (right).   | 31-10 TASK 858        |
| 31-17701             | ARINC Signal Gateway (right), LSCF has no input from ELMS P110 Electronics Unit on System ARINC 629 Bus (right).        | 31-10 TASK 863        |
| 31-17702             | ARINC Signal Gateway (right), RSCF has no input from ELMS P110 Electronics Unit on System ARINC 629 Bus (right).        | 31-10 TASK 864        |
| 31-17703             | ARINC Signal Gateway (right), LSCF has no input from ELMS P210 Electronics Unit on System ARINC 629 Bus (right).        | 31-10 TASK 865        |
| 31-17905             | ARINC Signal Gateway (left), LSCF has no input from Hydraulic Interface Module (HYDIM)(CL) on HYDIM data out-04 Bus.    | 31-07 TASK 801        |
| 31-17906             | ARINC Signal Gateway (left), RSCF has no input from Hydraulic Interface Module (HYDIM)(CR) on HYDIM data out-04 Bus.    | 31-07 TASK 802        |
| 31-17907             | ARINC Signal Gateway (right), LSCF has no input from Hydraulic Interface Module (HYDIM)(CL) on HYDIM data out-04 Bus.   | 31-07 TASK 803        |
| 31-17908             | ARINC Signal Gateway (right), RSCF has no input from Hydraulic Interface Module (HYDIM)(CR) on HYDIM data out-04 Bus.   | 31-07 TASK 804        |
| 31-17909             | ARINC Signal Gateway (left), LSCF has no input from DLODS Control Card (left) on DLODS Out Bus.                         | 31-07 TASK 805        |
| 31-17910             | ARINC Signal Gateway (left), RSCF has no input from DLODS Control Card (right) on DLODS Out Bus.                        | 31-07 TASK 806        |
| 31-17911             | ARINC Signal Gateway (right), LSCF has no input from DLODS Control Card (left) on DLODS Out Bus.                        | 31-07 TASK 807        |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>GO TO FIM TASK</b> |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-17912             | ARINC Signal Gateway (right), RSCF has no input from DLODS Control Card (right) on DLODS Out Bus.                                                                                                                                                                                                                                                                                                                                         | 31-07 TASK 808        |
| 31-17913             | ARINC Signal Gateway (left), LSCF has no input from ACIPS Control Card (left) on ACIPS Bus.                                                                                                                                                                                                                                                                                                                                               | 31-07 TASK 809        |
| 31-17914             | ARINC Signal Gateway (left), RSCF has no input from ACIPS Control Card (right) on ACIPS Bus.                                                                                                                                                                                                                                                                                                                                              | 31-07 TASK 810        |
| 31-17915             | ARINC Signal Gateway (right), LSCF has no input from ACIPS Control Card (left) on ACIPS Bus.                                                                                                                                                                                                                                                                                                                                              | 31-07 TASK 811        |
| 31-17916             | ARINC Signal Gateway (right), RSCF has no input from ACIPS Control Card (right) on ACIPS Bus.                                                                                                                                                                                                                                                                                                                                             | 31-07 TASK 812        |
| 31-17918             | ARINC Signal Gateway (left), RSCF has no input from ACIPS Control Card (center) on ACIPS Bus.                                                                                                                                                                                                                                                                                                                                             | 31-07 TASK 813        |
| 31-17920             | ARINC Signal Gateway (right), RSCF has no input from ACIPS Control Card (center) on ACIPS Bus.                                                                                                                                                                                                                                                                                                                                            | 31-07 TASK 814        |
| 31-17922             | ARINC Signal Gateway (left), RSCF has no input from DLODS Control Card (center) on DLODS Out Bus.                                                                                                                                                                                                                                                                                                                                         | 31-07 TASK 815        |
| 31-17924             | ARINC Signal Gateway (right), RSCF has no input from DLODS Control Card (center) on DLODS Out Bus.                                                                                                                                                                                                                                                                                                                                        | 31-07 TASK 816        |
| 31-17925             | <b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>ARINC Signal Gateway (left), LSCF has no input from APU Fire Detection Card (slot A09) on APUFDC Bus.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br>ARINC Signal Gateway (left), LSCF has no input from APU Fire Detection Card on APUFDC Bus.   | 31-07 TASK 817        |
| 31-17927             | <b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>ARINC Signal Gateway (right), LSCF has no input from APU Fire Detection Card (slot A09) on APUFDC Bus.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br>ARINC Signal Gateway (right), LSCF has no input from APU Fire Detection Card on APUFDC Bus. | 31-07 TASK 818        |
| 31-17929*            | ARINC Signal Gateway (left), LSCF has no input from Engine Fire Detection Card (left) on EFDC Bus.                                                                                                                                                                                                                                                                                                                                        | 31-07 TASK 819        |
| 31-17930*            | ARINC Signal Gateway (left), RSCF has no input from Engine Fire Detection Card (right) on EFDC Bus.                                                                                                                                                                                                                                                                                                                                       | 31-07 TASK 820        |
| 31-17931*            | ARINC Signal Gateway (right), LSCF has no input from Engine Fire Detection Card (left) on EFDC Bus.                                                                                                                                                                                                                                                                                                                                       | 31-07 TASK 821        |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                  | <b>GO TO FIM TASK</b> |
|----------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-17932*            | ARINC Signal Gateway (right), RSCF has no input from Engine Fire Detection Card (right) on EFDC Bus.                 | 31-07 TASK 822        |
| 31-17933             | ARINC Signal Gateway (left), LSCF has no input from ECSMC (left) on ECS Bus.                                         | 31-07 TASK 823        |
| 31-17934             | ARINC Signal Gateway (left), RSCF has no input from ECSMC (right) on ECS Bus.                                        | 31-07 TASK 824        |
| 31-17935             | ARINC Signal Gateway (right), LSCF has no input from ECSMC (left) on ECS Bus.                                        | 31-07 TASK 825        |
| 31-17936             | ARINC Signal Gateway (right), RSCF has no input from ECSMC (right) on ECS Bus.                                       | 31-07 TASK 826        |
| 31-17937             | ARINC Signal Gateway (left), LSCF has no input from Weight-On-Wheels Card-(left) on WOW ARINC 429 Bus.               | 31-07 TASK 827        |
| 31-17938             | ARINC Signal Gateway (left), RSCF has no input from Weight-On-Wheels Card-(right) on WOW ARINC 429 Bus.              | 31-07 TASK 828        |
| 31-17939             | ARINC Signal Gateway (right), LSCF has no input from Weight-On-Wheels Card-(left) on WOW ARINC 429 Bus.              | 31-07 TASK 829        |
| 31-17940             | ARINC Signal Gateway (right), RSCF has no input from Weight-On-Wheels Card-(right) on WOW ARINC 429 Bus.             | 31-07 TASK 830        |
| 31-17941             | ARINC Signal Gateway (left), LSCF has no input from Hydraulic Interface Module (HYDIM)(L) on HYDIM data out-17 Bus.  | 31-07 TASK 831        |
| 31-17942             | ARINC Signal Gateway (left), RSCF has no input from Hydraulic Interface Module (HYDIM)(R) on HYDIM data out-17 Bus.  | 31-07 TASK 832        |
| 31-17943             | ARINC Signal Gateway (right), LSCF has no input from Hydraulic Interface Module (HYDIM)(L) on HYDIM data out-17 Bus. | 31-07 TASK 833        |
| 31-17944             | ARINC Signal Gateway (right), RSCF has no input from Hydraulic Interface Module (HYDIM)(R) on HYDIM data out-17 Bus. | 31-07 TASK 834        |
| 31-17945             | ARINC Signal Gateway (left), LSCF has no input from Cargo Smoke Detector Ch 1 (lwr fwd) on CSDS Channel 1 Bus.       | 31-07 TASK 835        |
| 31-17946             | ARINC Signal Gateway (left), RSCF has no input from Cargo Smoke Detector Ch 1 (lwr aft) on CSDS Channel 1 Bus.       | 31-07 TASK 836        |
| 31-17947             | ARINC Signal Gateway (right), LSCF has no input from Cargo Smoke Detector Ch 1 (lwr fwd) on CSDS Channel 1 Bus.      | 31-07 TASK 837        |
| 31-17948             | ARINC Signal Gateway (right), RSCF has no input from Cargo Smoke Detector Ch 1 (lwr aft) on CSDS Channel 1 Bus.      | 31-07 TASK 838        |
| 31-17949             | ARINC Signal Gateway (left), LSCF has no input from Cargo Smoke Detector Ch 2 (lwr fwd) on CSDS Channel 2 Bus.       | 31-07 TASK 839        |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                  | GO TO FIM TASK |
|---------------|-------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-17950      | ARINC Signal Gateway (left), RSCF has no input from Cargo Smoke Detector Ch 2 (lwr aft) on CSDS Channel 2 Bus.                | 31-07 TASK 840 |
| 31-17951      | ARINC Signal Gateway (right), LSCF has no input from Cargo Smoke Detector Ch 2 (lwr fwd) on CSDS Channel 2 Bus.               | 31-07 TASK 841 |
| 31-17952      | ARINC Signal Gateway (right), RSCF has no input from Cargo Smoke Detector Ch 2 (lwr aft) on CSDS Channel 2 Bus.               | 31-07 TASK 842 |
| 31-17953      | ARINC Signal Gateway (left), LSCF has no input from Nitrogen Generation System on NGS bus.                                    | 31-07 TASK 856 |
| 31-17954      | ARINC Signal Gateway (right), LSCF has no input from Nitrogen Generation System on NGS bus.                                   | 31-07 TASK 843 |
| 31-18401      | ARINC Signal Gateway (left), LSCF has no input from Engine Data Interface Unit (L Eng,ch A) on System ARINC 629 Bus (left).   | 31-08 TASK 801 |
| 31-18402      | ARINC Signal Gateway (left), RSCF has no input from Engine Data Interface Unit (L Eng,ch A) on System ARINC 629 Bus (left).   | 31-08 TASK 802 |
| 31-18405      | ARINC Signal Gateway (left), LSCF has no input from Engine Data Interface Unit (L Eng,ch B) on System ARINC 629 Bus (left).   | 31-08 TASK 803 |
| 31-18406      | ARINC Signal Gateway (left), RSCF has no input from Engine Data Interface Unit (L Eng,ch B) on System ARINC 629 Bus (left).   | 31-08 TASK 804 |
| 31-18600      | ARINC Signal Gateway (right), RSCF has no input from Warning Electronic Unit (right) on System ARINC 629 Bus (right).         | 31-08 TASK 805 |
| 31-18611      | ARINC Signal Gateway (right), LSCF has no input from Engine Data Interface Unit (R Eng,ch A) on System ARINC 629 Bus (right). | 31-08 TASK 806 |
| 31-18612      | ARINC Signal Gateway (right), RSCF has no input from Engine Data Interface Unit (R Eng,ch A) on System ARINC 629 Bus (right). | 31-08 TASK 807 |
| 31-18615      | ARINC Signal Gateway (right), LSCF has no input from Engine Data Interface Unit (R Eng,ch B) on System ARINC 629 Bus (right). | 31-08 TASK 808 |
| 31-18616      | ARINC Signal Gateway (right), RSCF has no input from Engine Data Interface Unit (R Eng,ch B) on System ARINC 629 Bus (right). | 31-08 TASK 809 |
| 31-18801      | ARINC Signal Gateway (left), LSCF has no output on any bus.                                                                   | 31-08 TASK 810 |
| 31-18802      | ARINC Signal Gateway (left), RSCF has no output on any bus.                                                                   | 31-08 TASK 811 |
| 31-18803      | ARINC Signal Gateway (right), LSCF has no output on any bus.                                                                  | 31-08 TASK 812 |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                  | <b>GO TO FIM TASK</b> |
|----------------------|--------------------------------------------------------------------------------------|-----------------------|
| 31-18804             | ARINC Signal Gateway (right), RSCF has no output on any bus.                         | 31-08 TASK 813        |
| 31-18841             | ARINC Signal Gateway (left), LSCF has no output on System ARINC 629 Bus (left).      | 31-08 TASK 814        |
| 31-18842             | ARINC Signal Gateway (left), RSCF has no output on System ARINC 629 Bus (left).      | 31-08 TASK 814        |
| 31-18863             | ARINC Signal Gateway (right), LSCF has no output on System ARINC 629 Bus (right).    | 31-08 TASK 816        |
| 31-18864             | ARINC Signal Gateway (right), RSCF has no output on System ARINC 629 Bus (right).    | 31-08 TASK 817        |
| 31-18891             | ARINC Signal Gateway (left), LSCF has no output on ASG Global ARINC 429 Bus.         | 31-08 TASK 818        |
| 31-18892             | ARINC Signal Gateway (left), RSCF has no output on ASG Global ARINC 429 Bus.         | 31-08 TASK 819        |
| 31-18893             | ARINC Signal Gateway (right), LSCF has no output on ASG Global ARINC 429 Bus.        | 31-08 TASK 820        |
| 31-18894             | ARINC Signal Gateway (right), RSCF has no output on ASG Global ARINC 429 Bus.        | 31-08 TASK 821        |
| 31-20000             | Flight Data Recorder has an internal fault.                                          | 31-31 TASK 830        |
| 31-20020             | Flight Data Recorder has an internal fault or is not installed.                      | 31-31 TASK 821        |
| 31-20031             | DFDAF in Left AIMS has an internal fault.                                            | 31-31 TASK 803        |
| 31-20032             | DFDAF in Right AIMS has an internal fault.                                           | 31-31 TASK 811        |
| 31-20040             | DFDAF in Left AIMS and in Right AIMS have incorrect software configuration.          | 31-31 TASK 819        |
| 31-20045             | DFDAF in Left AIMS and in Right AIMS have incorrect OPC configuration.               | 31-31 TASK 834        |
| 31-20046             | DFDAF in Left AIMS has incorrect OPC configuration.                                  | 31-31 TASK 835        |
| 31-20047             | DFDAF in Right AIMS has incorrect OPC configuration.                                 | 31-31 TASK 836        |
| 31-20051             | DFDAF in Left AIMS has incorrect software configuration.                             | 31-31 TASK 802        |
| 31-20052             | DFDAF in Right AIMS has incorrect software configuration.                            | 31-31 TASK 820        |
| 31-20061             | DFDAF in Left AIMS has an internal software fault.                                   | 31-31 TASK 804        |
| 31-20062             | DFDAF in Right AIMS has an internal software fault.                                  | 31-31 TASK 815        |
| 31-20070             | Flight Data Recorder does not have power or is not receiving data.                   | 31-31 TASK 821        |
| 31-20080             | Flight Data Recorder is not installed or FLIGHT DATA RECORDER STATUS wiring is open. | 31-31 TASK 833        |
| 31-20201             | Relay (FLT REC-AC PWR RLY) in P210 is not in commanded position.                     | 31-31 TASK 801        |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                 | GO TO FIM TASK |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-20202      | Relay (FLT REC-AC PWR RLY) in P210 is not in commanded position.                                                                                                                                                                                                                                                             | 31-31 TASK 801 |
| 31-21001      | DFDAF in Left AIMS has no input from CMCF in Left AIMS on the AIMS Backplane.                                                                                                                                                                                                                                                | 31-31 TASK 822 |
| 31-21002      | DFDAF in Right AIMS has no input from CMCF in Left AIMS on AIMS Intercabinet Buses (3) and (4).                                                                                                                                                                                                                              | 31-31 TASK 828 |
| 31-21003      | DFDAF in Left AIMS has no input from CMCF in Right AIMS on AIMS Intercabinet Buses (3) and (4).                                                                                                                                                                                                                              | 31-31 TASK 829 |
| 31-21004      | DFDAF in Right AIMS has no input from CMCF in Right AIMS on the AIMS Backplane.                                                                                                                                                                                                                                              | 31-31 TASK 823 |
| 31-21011      | DFDAF in Left AIMS has no input from DFDAF in Right AIMS on AIMS Intercabinet Buses (1) and (2).                                                                                                                                                                                                                             | 31-31 TASK 831 |
| 31-21012      | DFDAF in Right AIMS has no input from DFDAF in Left AIMS on AIMS Intercabinet Buses (1) and (2).                                                                                                                                                                                                                             | 31-31 TASK 832 |
| 31-29403      | DFDAF in Left AIMS has no input from ELMS P210 Electronics Unit on System ARINC 629 Bus (left).                                                                                                                                                                                                                              | 31-31 TASK 824 |
| 31-29404      | DFDAF in Right AIMS has no input from ELMS P210 Electronics Unit on System ARINC 629 Bus (left).                                                                                                                                                                                                                             | 31-31 TASK 825 |
| 31-29405      | DFDAF in Left AIMS has no input from ELMS P210 Electronics Unit on System ARINC 629 Bus (right).                                                                                                                                                                                                                             | 31-31 TASK 826 |
| 31-29406      | DFDAF in Right AIMS has no input from ELMS P210 Electronics Unit on System ARINC 629 Bus (right).                                                                                                                                                                                                                            | 31-31 TASK 827 |
| 31-30001      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Flight Deck Printer has an internal fault.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Printer has an internal fault.             | 31-33 TASK 806 |
| 31-30003      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Flight Deck Printer has incorrect configuration.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Printer has incorrect configuration. | 31-33 TASK 805 |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                                                                                                                                                                                                                                                  | <b>GO TO FIM TASK</b> |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-31891             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Flight Deck Printer has no output on Printer Output 2 ARINC 429 Bus.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Printer has no output on Printer Output 2 ARINC 429 Bus. | 31-33 TASK 801        |
| 31-39903             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Flight Deck Printer has no input from Left AIMS on DCMF Bus (429).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Printer has no input from Left AIMS on DCMF Bus (429).     | 31-33 TASK 802        |
| 31-39905             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Flight Deck Printer has no input from Right AIMS on DCMF Bus (429).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Printer has no input from Right AIMS on DCMF Bus (429).   | 31-33 TASK 803        |
| 31-39907             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Flight Deck Printer has no input from Left AIMS on CMCF Bus (429).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Printer has no input from Left AIMS on CMCF Bus (429).     | 31-33 TASK 804        |
| 31-40001             | ACMF in Left AIMS has incorrect software configuration.                                                                                                                                                                                                                                                                                                              | 31-35 TASK 801        |
| 31-40002             | ACMF in Right AIMS has incorrect software configuration.                                                                                                                                                                                                                                                                                                             | 31-35 TASK 859        |
| 31-40011             | ACMF/QARF in Left AIMS has incorrect software configuration.                                                                                                                                                                                                                                                                                                         | 31-35 TASK 822        |
| 31-40012             | ACMF/QARF in Right AIMS has incorrect software configuration.                                                                                                                                                                                                                                                                                                        | 31-35 TASK 860        |
| 31-40021             | ACMF/QARF in Left AIMS has an internal fault.                                                                                                                                                                                                                                                                                                                        | 31-35 TASK 827        |
| 31-40031             | Quick Access Recorder has an internal fault or the Tape is full.                                                                                                                                                                                                                                                                                                     | 31-35 TASK 828        |
| 31-40041             | Quick Access Recorder Tape is low.                                                                                                                                                                                                                                                                                                                                   | 31-35 TASK 829        |
| 31-40061             | ACMF in Left AIMS has an internal software fault.                                                                                                                                                                                                                                                                                                                    | 31-35 TASK 830        |
| 31-40062             | ACMF in Right AIMS has an internal software fault.                                                                                                                                                                                                                                                                                                                   | 31-35 TASK 861        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                            | <b>GO TO FIM TASK</b> |
|----------------------|------------------------------------------------------------------------------------------------|-----------------------|
| 31-40071             | ACMF in Left AIMS has an internal software fault.                                              | 31-35 TASK 831        |
| 31-40072             | ACMF in Right AIMS has an internal software fault.                                             | 31-35 TASK 862        |
| 31-40081             | ACMF AMI in Left AIMS has an internal fault.                                                   | 31-35 TASK 802        |
| 31-40082             | ACMF AMI in Right AIMS has an internal fault.                                                  | 31-35 TASK 840        |
| 31-40091             | ACMF AMI in Left AIMS has incorrect software configuration.                                    | 31-35 TASK 830        |
| 31-40092             | ACMF AMI in Right AIMS has an incorrect software configuration.                                | 31-35 TASK 841        |
| 31-40201             | ACMF in Left AIMS has no input from CMCF in Left AIMS on the AIMS Backplane.                   | 31-35 TASK 832        |
| 31-40202             | ACMF in Right AIMS has no input from CMCF in Left AIMS on AIMS Intercabinet Buses (3) and (4). | 31-35 TASK 863        |
| 31-40211             | ACMF in Left AIMS has no input from CMCF in Right AIMS on AIMS Intercabinet Buses (3) and (4). | 31-35 TASK 833        |
| 31-40212             | ACMF in Right AIMS has no input from CMCF in Right AIMS on the AIMS Backplane.                 | 31-35 TASK 864        |
| 31-40311             | ACMF in Left AIMS has no input from Network File Server (Left) on the PlaneNet.                | 31-35 TASK 867        |
| 31-40312             | ACMF in Right AIMS has no input from Network File Server (Left) on the PlaneNet.               | 31-35 TASK 868        |
| 31-50007             | Left AIMS 28V DC Hot Battery Bus power is not available.                                       | 31-44 TASK 821        |
| 31-50008             | Right AIMS 28V DC Hot Battery Bus power is not available.                                      | 31-44 TASK 822        |
| 31-50011*            | Left AIMS has incorrect software configuration.                                                | 31-44 TASK 801        |
| 31-50012*            | Right AIMS has incorrect software configuration.                                               | 31-44 TASK 802        |
| 31-50013             | Left AIMS and Right AIMS have incorrect software configuration.                                | 31-44 TASK 803        |
| 31-50014             | Left AIMS and Right AIMS have incorrect software configuration.                                | 31-44 TASK 803        |
| 31-50017             | Left AIMS 28V DC Capt Flt Inst Bus power is not available.                                     | 31-44 TASK 823        |
| 31-50018             | Right AIMS 28V DC Left Bus power is not available.                                             | 31-44 TASK 824        |
| 31-50021             | Left AIMS Program Pins are incorrect.                                                          | 31-44 TASK 804        |
| 31-50022             | Right AIMS Program Pins are incorrect.                                                         | 31-44 TASK 805        |
| 31-50023             | Left AIMS and Right AIMS Program Pins are incompatible.                                        | 31-44 TASK 806        |
| 31-50024             | Left AIMS and Right AIMS Program Pins are incompatible.                                        | 31-44 TASK 806        |
| 31-50027             | Left AIMS 28V DC FO Flt Inst Bus power is not available.                                       | 31-44 TASK 825        |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                   | GO TO FIM TASK |
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| 31-50028      | <b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br>Right AIMS 28V DC Left Bus Bus CH A (C3160) power is not available.<br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Right AIMS 28V DC Right Bus power is not available. | 31-44 TASK 826 |
| 31-50031      | Left AIMS Program Pins are incorrect.                                                                                                                                                                                                                                                                                                                          | 31-44 TASK 807 |
| 31-50032      | Right AIMS Program Pins are incorrect.                                                                                                                                                                                                                                                                                                                         | 31-44 TASK 808 |
| 31-50041      | Left AIMS Program Pins are incorrect.                                                                                                                                                                                                                                                                                                                          | 31-44 TASK 809 |
| 31-50042      | Right AIMS Program Pins are incorrect.                                                                                                                                                                                                                                                                                                                         | 31-44 TASK 810 |
| 31-50051      | Left AIMS Program Pins are incorrect.                                                                                                                                                                                                                                                                                                                          | 31-44 TASK 811 |
| 31-50052      | Right AIMS Program Pins are incorrect.                                                                                                                                                                                                                                                                                                                         | 31-44 TASK 812 |
| 31-50061      | Left AIMS Program Pins are incorrect.                                                                                                                                                                                                                                                                                                                          | 31-44 TASK 813 |
| 31-50062      | Right AIMS Program Pins are incorrect.                                                                                                                                                                                                                                                                                                                         | 31-44 TASK 814 |
| 31-50071      | Left AIMS Program Pins are incorrect.                                                                                                                                                                                                                                                                                                                          | 31-44 TASK 815 |
| 31-50072      | Right AIMS Program Pins are incorrect.                                                                                                                                                                                                                                                                                                                         | 31-44 TASK 816 |
| 31-50081      | Left AIMS Program Pins are incorrect.                                                                                                                                                                                                                                                                                                                          | 31-44 TASK 817 |
| 31-50082      | Right AIMS Program Pins are incorrect.                                                                                                                                                                                                                                                                                                                         | 31-44 TASK 818 |
| 31-50087      | PCM (M210) in Left AIMS has an internal fault.                                                                                                                                                                                                                                                                                                                 | 31-45 TASK 806 |
| 31-50088      | PCM (M210) in Right AIMS has an internal fault.                                                                                                                                                                                                                                                                                                                | 31-45 TASK 807 |
| 31-50091*     | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Left AIMS Program Pins are incorrect.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Left AIMS program pins are incorrect.                                             | 31-44 TASK 819 |
| 31-50092*     | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Right AIMS Program Pins are incorrect.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Right AIMS program pins are incorrect.                                           | 31-44 TASK 820 |
| 31-50097      | PCM (M450) in Left AIMS has an internal fault.                                                                                                                                                                                                                                                                                                                 | 31-45 TASK 806 |
| 31-50098      | PCM (M450) in Right AIMS has an internal fault.                                                                                                                                                                                                                                                                                                                | 31-45 TASK 807 |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                    | <b>GO TO FIM TASK</b> |
|----------------------|----------------------------------------------------------------------------------------|-----------------------|
| 31-50101             | Left AIMS has no input from Right AIMS on AIMS Intercabinet Bus (1).                   | 31-43 TASK 865        |
| 31-50102             | Right AIMS has no input from Left AIMS on AIMS Intercabinet Bus (1).                   | 31-43 TASK 865        |
| 31-50111             | Left AIMS has no input from Right AIMS on AIMS Intercabinet Bus (2).                   | 31-43 TASK 865        |
| 31-50112             | Right AIMS has no input from Left AIMS on AIMS Intercabinet Bus (2).                   | 31-43 TASK 865        |
| 31-50115             | Left AIMS has no input from CMCF in Left AIMS on the AIMS Backplane.                   | 31-43 TASK 857        |
| 31-50116             | Right AIMS has no input from CMCF in Left AIMS on AIMS Intercabinet Buses (3) and (4). | 31-43 TASK 860        |
| 31-50119             | Left AIMS has no input from Multi-Mode Receiver (left) on GPS-L TIME MARK #1 INPUT.    | 31-41 TASK 985        |
| 31-50120             | Right AIMS has no input from Multi-Mode Receiver (left) on GPS-L TIME MARK #2 INPUT.   | 31-41 TASK 986        |
| 31-50121             | Left AIMS has no input from Right AIMS on AIMS Intercabinet Bus (3).                   | 31-43 TASK 865        |
| 31-50122             | Right AIMS has no input from Left AIMS on AIMS Intercabinet Bus (3).                   | 31-43 TASK 865        |
| 31-50125             | Left AIMS has no input from CMCF in Right AIMS on AIMS Intercabinet Buses (3) and (4). | 31-43 TASK 859        |
| 31-50126             | Right AIMS has no input from CMCF in Right AIMS on the AIMS Backplane.                 | 31-43 TASK 858        |
| 31-50129             | Left AIMS has no input from Multi-Mode Receiver (right) on GPS-R TIME MARK #1 INPUT.   | 31-41 TASK 987        |
| 31-50130             | Right AIMS has no input from Multi-Mode Receiver (right) on GPS-R TIME MARK #2 INPUT.  | 31-41 TASK 988        |
| 31-50131             | Left AIMS has no input from Right AIMS on AIMS Intercabinet Bus (4).                   | 31-43 TASK 865        |
| 31-50132             | Right AIMS has no input from Left AIMS on AIMS Intercabinet Bus (4).                   | 31-43 TASK 865        |
| 31-50191             | Left AIMS has no input from Right AIMS on any AIMS Intercabinet Bus.                   | 31-43 TASK 875        |
| 31-50192             | Right AIMS has no input from Left AIMS on any AIMS Intercabinet Bus.                   | 31-43 TASK 875        |
| 31-50201             | Left AIMS has an internal data bus fault.                                              | 31-43 TASK 852        |
| 31-50202             | Right AIMS has an internal data bus fault.                                             | 31-43 TASK 853        |
| 31-50203             | Left AIMS has an internal fault.                                                       | 31-43 TASK 852        |
| 31-50204             | Right AIMS has an internal fault.                                                      | 31-43 TASK 853        |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | GO TO FIM TASK |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-50211      | Left System Ground Mode Relay in ELMS P110 does not agree with ARINC 629 Air/Ground signal from Weight-On-Wheels Card-(left).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 32-09 TASK 833 |
| 31-50212      | Left System Ground Mode Relay in ELMS P110 does not agree with ARINC 629 Air/Ground signal from Weight-On-Wheels Card-(left).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 32-09 TASK 834 |
| 31-50213      | Right System Ground Mode Relay in ELMS P210 does not agree with ARINC 629 Air/Ground signal from Weight-On-Wheels Card-(right).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 32-09 TASK 835 |
| 31-50214      | Right System Ground Mode Relay in ELMS P210 does not agree with ARINC 629 Air/Ground signal from Weight-On-Wheels Card-(right).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 32-09 TASK 836 |
| 31-50215      | <b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Weight-On-Wheels Card-(left) and (right) ARINC 629 Air/Ground signals do not agree with Air/Ground signals from Left System Ground Mode Relay in ELMS P110 and Right System Ground Mode Relay in ELMS P210.<br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Weight-On-Wheels Card-(left) and (right) ARINC 629 Air/Ground signals do not agree with Air/ground signals from Left System Ground Mode Relay in ELMS P110 and Right System Ground Mode Relay in ELMS P210. | 32-09 TASK 837 |
| 31-50216      | <b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Weight-On-Wheels Card-(left) and (right) ARINC 629 Air/Ground signals do not agree with Air/Ground signals from Left System Ground Mode Relay in ELMS P110 and Right System Ground Mode Relay in ELMS P210.<br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Weight-On-Wheels Card-(left) and (right) ARINC 629 Air/Ground signals do not agree with Air/ground signals from Left System Ground Mode Relay in ELMS P110 and Right System Ground Mode Relay in ELMS P210. | 32-09 TASK 837 |
| 31-50303      | Left AIMS and Right AIMS have incorrect software configuration.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 31-41 TASK 801 |
| 31-50304      | Left AIMS and Right AIMS have incorrect software configuration.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 31-41 TASK 801 |
| 31-50311      | Left AIMS has incorrect software configuration.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 31-44 TASK 801 |
| 31-50312      | Right AIMS has incorrect software configuration.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 31-44 TASK 802 |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                                                                                                                                                                                                                                                                 | <b>GO TO FIM TASK</b> |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-50417             | Left AIMS 28V DC Capt Flt Inst Bus CH A (C31609) power is not available.                                                                                                                                                                                                                                                                                                            | 31-44 TASK 884        |
| 31-50418             | Right AIMS 28V DC Left Bus CH A (C31610) power is not available.                                                                                                                                                                                                                                                                                                                    | 31-44 TASK 885        |
| 31-50427             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Left AIMS 28V DC F/O Flt Inst Bus CH A (C31617) power is not available.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br>Left AIMS 28V F/O Flt Inst Bus CH A (C31617) power is not available. | 31-44 TASK 886        |
| 31-50428             | Right AIMS 28V DC Right Bus Channel A (C31618) power is not available.                                                                                                                                                                                                                                                                                                              | 31-44 TASK 887        |
| 31-50437             | Left AIMS 28V DC Capt Flt Inst Bus CH B (C31611) power is not available.                                                                                                                                                                                                                                                                                                            | 31-44 TASK 888        |
| 31-50438             | Right AIMS 28V DC Left Bus Channel B (C31612) power is not available.                                                                                                                                                                                                                                                                                                               | 31-44 TASK 889        |
| 31-50447             | Left AIMS 28V DC F/O Flt Inst Bus CH B (C31619) power is not available.                                                                                                                                                                                                                                                                                                             | 31-44 TASK 890        |
| 31-50448             | <b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br>Right AIMS 28V DC Left Bus CH B (C31620) power is not available.<br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Right AIMS 28V DC Right Bus CH B (C31620) power is not available.           | 31-44 TASK 891        |
| 31-50517             | PCM (M210) in Left AIMS has an internal channel A fault.                                                                                                                                                                                                                                                                                                                            | 31-45 TASK 806        |
| 31-50518             | PCM (M210) in Right AIMS has an internal channel A fault.                                                                                                                                                                                                                                                                                                                           | 31-45 TASK 807        |
| 31-50527             | PCM (M450) in Left AIMS has an internal channel A fault.                                                                                                                                                                                                                                                                                                                            | 31-45 TASK 806        |
| 31-50528             | PCM (M450) in Right AIMS has an internal channel A fault.                                                                                                                                                                                                                                                                                                                           | 31-45 TASK 807        |
| 31-50537             | PCM (M210) in Left AIMS has an internal channel B fault.                                                                                                                                                                                                                                                                                                                            | 31-45 TASK 806        |
| 31-50538             | PCM (M210) in Right AIMS has an internal channel B fault.                                                                                                                                                                                                                                                                                                                           | 31-45 TASK 807        |
| 31-50539             | CPM/Comm(M001) in Left AIMS has an internal hardware power fault.                                                                                                                                                                                                                                                                                                                   | 31-44 TASK 898        |
| 31-50540             | CPM/Comm(M001) in Right AIMS has an internal power fault.                                                                                                                                                                                                                                                                                                                           | 31-44 TASK 899        |
| 31-50541             | CPM/GG(M011) in Left AIMS has an internal hardware power fault.                                                                                                                                                                                                                                                                                                                     | 31-44 TASK 900        |

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| MAINT MESSAGE | MESSAGE TEXT                                                                     | GO TO FIM TASK |
|---------------|----------------------------------------------------------------------------------|----------------|
| 31-50542      | CPM/GG (M011) in Right AIMS has an internal power fault.                         | 31-44 TASK 901 |
| 31-50543      | IOM (M008) in Left AIMS has an internal hardware power fault.                    | 31-44 TASK 902 |
| 31-50544      | IOM (M008) in Right AIMS has an internal hardware power fault.                   | 31-44 TASK 903 |
| 31-50547      | PCM (M450) in Left AIMS has an internal channel B fault.                         | 31-45 TASK 806 |
| 31-50548      | PCM (M450) in Right AIMS has an internal channel B fault.                        | 31-45 TASK 807 |
| 31-50837      | PCM (M210) in Left AIMS has an internal fault.                                   | 31-45 TASK 806 |
| 31-50838      | PCM (M210) in Right AIMS has an internal fault.                                  | 31-45 TASK 807 |
| 31-50937      | PCM (M450) in Left AIMS has an internal fault.                                   | 31-45 TASK 806 |
| 31-50938      | PCM (M450) in Right AIMS has an internal fault.                                  | 31-45 TASK 807 |
| 31-51011      | CPM/Comm(M001) in Left AIMS has an internal fault.                               | 31-44 TASK 827 |
| 31-51012      | CPM/Comm(M001) in Right AIMS has an internal fault.                              | 31-44 TASK 828 |
| 31-51013      | CPM/Comm(M001) in Left AIMS has no output on the AIMS Backplane.                 | 31-44 TASK 863 |
| 31-51014      | CPM/Comm(M001) in Right AIMS has no output on the AIMS Backplane.                | 31-44 TASK 864 |
| 31-51015      | CPM/Comm(M001) in Left AIMS has an internal fault.                               | 31-43 TASK 801 |
| 31-51016      | CPM/Comm(M001) in Right AIMS has an internal fault.                              | 31-43 TASK 802 |
| 31-51017      | CPM/Comm(M001) in Left AIMS has an internal data bus fault.                      | 31-43 TASK 801 |
| 31-51018      | CPM/Comm(M001) in Right AIMS has an internal data bus fault.                     | 31-43 TASK 802 |
| 31-51021      | CPM/ACMF or STD(M002) in Left AIMS has an internal fault.                        | 31-44 TASK 833 |
| 31-51022      | CPM/ACMF or Basic or STD(M002) in Right AIMS has an internal fault.              | 31-44 TASK 834 |
| 31-51023*     | CPM/ACMF or STD(M002) in Left AIMS has no output on the AIMS Backplane.          | 31-44 TASK 865 |
| 31-51024*     | CPM/ACMFor Basic or STD(M002) in Right AIMS has no output on the AIMS Backplane. | 31-44 TASK 866 |
| 31-51025*     | CPM/ACMF or STD (M002) in Left AIMS has an internal fault.                       | 31-43 TASK 803 |
| 31-51026*     | CPM/ ACMFor Basic or STD (M002) in Right AIMS has an internal fault.             | 31-43 TASK 804 |
| 31-51027      | CPM/ACMF or STD(M002) in Left AIMS has an internal data bus fault.               | 31-43 TASK 803 |
| 31-51028      | CPM/ACMF or Basic or STD(M002) in Right AIMS has an internal data bus fault.     | 31-43 TASK 804 |
| 31-51031      | CPM/GG(M010) in Left AIMS has an internal fault.                                 | 31-44 TASK 867 |
| 31-51032      | CPM/GG(M010) in Right AIMS has an internal fault.                                | 31-44 TASK 868 |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                          | <b>GO TO FIM TASK</b> |
|----------------------|------------------------------------------------------------------------------|-----------------------|
| 31-51033*            | CPM/GG(M010) in Left AIMS has no output on the AIMS Backplane.               | 31-44 TASK 869        |
| 31-51034*            | CPM/GG(M010) in Right AIMS has no output on the AIMS Backplane.              | 31-44 TASK 870        |
| 31-51035             | CPM/GG(M010) in Left AIMS has an internal fault.                             | 31-43 TASK 805        |
| 31-51036             | CPM/GG(M010) in Right AIMS has an internal fault.                            | 31-43 TASK 806        |
| 31-51037             | CPM/GG(M010) in Left AIMS has an internal data bus fault.                    | 31-43 TASK 805        |
| 31-51038             | CPM/GG(M010) in Right AIMS has an internal data bus fault.                   | 31-43 TASK 806        |
| 31-51041             | CPM/GG(M011) in Left AIMS has an internal fault.                             | 31-44 TASK 841        |
| 31-51042             | CPM/GG(M011) in Right AIMS has an internal fault.                            | 31-44 TASK 842        |
| 31-51043*            | CPM/GG(M011) in Left AIMS has no output on the AIMS Backplane.               | 31-44 TASK 871        |
| 31-51044*            | CPM/GG(M011) in Right AIMS has no output on the AIMS Backplane.              | 31-44 TASK 872        |
| 31-51045             | CPM/GG(M011) in Left AIMS has an internal fault.                             | 31-43 TASK 807        |
| 31-51046             | CPM/GG(M011) in Right AIMS has an internal fault.                            | 31-43 TASK 808        |
| 31-51047             | CPM/GG(M011) in Left AIMS has an internal data bus fault.                    | 31-43 TASK 807        |
| 31-51048             | CPM/GG(M011) in Right AIMS has an internal data bus fault.                   | 31-43 TASK 808        |
| 31-51101             | ACMF in Left AIMS has an internal fault.                                     | 31-35 TASK 834        |
| 31-51102             | ACMF in Right AIMS has an internal fault.                                    | 31-35 TASK 835        |
| 31-51103             | ACMF in Left AIMS has an internal software fault.                            | 31-35 TASK 831        |
| 31-51104             | ACMF in Right AIMS has an internal software fault.                           | 31-35 TASK 836        |
| 31-51107             | CPM/Comm(M001) in Left AIMS 28V DC Hot Battery Bus power is not available.   | 31-44 TASK 853        |
| 31-51108             | CPM/Comm(M001) in Right AIMS 28V DC Hot Battery Bus power is not available.  | 31-44 TASK 854        |
| 31-51111             | CMCF in Left AIMS has an internal fault.                                     | 31-44 TASK 827        |
| 31-51112             | CMCF in Right AIMS has an internal fault.                                    | 31-44 TASK 828        |
| 31-51113             | CMCF in Left AIMS has an internal software fault.                            | 31-44 TASK 829        |
| 31-51114             | CMCF in Right AIMS has an internal software fault.                           | 31-44 TASK 830        |
| 31-51117             | CPM/Comm(M001) in Left AIMS 28V DC Capt Flt Inst Bus power is not available. | 31-44 TASK 855        |
| 31-51118             | CPM/Comm(M001) in Right AIMS 28V DC Left Bus power is not available.         | 31-44 TASK 856        |
| 31-51121             | DCMF in Left AIMS has an internal fault.                                     | 23-27 TASK 801        |
| 31-51122             | DCMF in Right AIMS has an internal fault.                                    | 23-27 TASK 802        |
| 31-51123             | DCMF in Left AIMS has an internal software fault.                            | 23-27 TASK 898        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                        | <b>GO TO FIM TASK</b> |
|----------------------|----------------------------------------------------------------------------|-----------------------|
| 31-51124             | DCMF in Right AIMS has an internal software fault.                         | 23-27 TASK 899        |
| 31-51127             | CPM/Comm(M001) in Left AIMS 28V DC FO Flt Inst Bus power is not available. | 31-44 TASK 857        |
| 31-51128             | CPM/Comm(M001) in Right AIMS 28V DC Right Bus power is not available.      | 31-44 TASK 858        |
| 31-51131             | DCGF in Left AIMS has an internal fault.                                   | 31-41 TASK 806        |
| 31-51132             | DCGF in Right AIMS has an internal fault.                                  | 31-41 TASK 807        |
| 31-51133             | DCGF in Left AIMS has an internal software fault.                          | 31-41 TASK 812        |
| 31-51134             | DCGF in Right AIMS has an internal software fault.                         | 31-41 TASK 906        |
| 31-51141             | DCGF in Left AIMS has an internal fault.                                   | 31-44 TASK 827        |
| 31-51142             | DCGF in Right AIMS has an internal fault.                                  | 31-44 TASK 828        |
| 31-51143             | DCGF in Left AIMS has an internal software fault.                          | 31-44 TASK 831        |
| 31-51144             | DCGF in Right AIMS has an internal software fault.                         | 31-44 TASK 832        |
| 31-51151             | DFDAF in Left AIMS has an internal fault.                                  | 31-31 TASK 803        |
| 31-51152             | DFDAF in Right AIMS has an internal fault.                                 | 31-31 TASK 811        |
| 31-51153             | DFDAF in Left AIMS has an internal software fault.                         | 31-31 TASK 804        |
| 31-51154             | DFDAF in Right AIMS has an internal software fault.                        | 31-31 TASK 815        |
| 31-51161             | Display Function in Left AIMS has an internal fault.                       | 31-61 TASK 932        |
| 31-51162             | Display Function in Right AIMS has an internal fault.                      | 31-61 TASK 933        |
| 31-51163             | Display Function in Left AIMS has an internal software fault.              | 31-61 TASK 935        |
| 31-51164             | Display Function in Right AIMS has an internal software fault.             | 31-61 TASK 934        |
| 31-51171             | Display Function in Left AIMS has an internal fault.                       | 31-61 TASK 932        |
| 31-51172             | Display Function in Right AIMS has an internal fault.                      | 31-61 TASK 933        |
| 31-51173             | Display Function in Left AIMS has an internal software fault.              | 31-61 TASK 935        |
| 31-51174             | Display Function in Right AIMS has an internal software fault.             | 31-61 TASK 934        |
| 31-51181             | FDCF in Left AIMS has an internal fault.                                   | 23-27 TASK 837        |
| 31-51182             | FDCF in Right AIMS has an internal fault.                                  | 23-27 TASK 838        |
| 31-51183             | FDCF in Left AIMS has an internal software fault.                          | 23-27 TASK 847        |
| 31-51184             | FDCF in Right AIMS has an internal software fault.                         | 23-27 TASK 851        |
| 31-51191             | FDCF in Left AIMS has an internal fault.                                   | 23-27 TASK 837        |
| 31-51192             | FDCF in Right AIMS has an internal fault.                                  | 23-27 TASK 838        |
| 31-51193             | FDCF in Left AIMS has an internal software fault.                          | 23-27 TASK 847        |
| 31-51194             | FDCF in Right AIMS has an internal software fault.                         | 23-27 TASK 851        |
| 31-51201             | FDO in Left AIMS has an internal fault.                                    | 31-44 TASK 827        |
| 31-51202             | FDO in Right AIMS has an internal fault.                                   | 31-44 TASK 828        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                             | <b>GO TO FIM TASK</b> |
|----------------------|-------------------------------------------------------------------------------------------------|-----------------------|
| 31-51203             | FDO in Left AIMS has an internal software fault.                                                | 31-44 TASK 831        |
| 31-51204             | FDO in Right AIMS has an internal software fault.                                               | 31-44 TASK 832        |
| 31-51211             | FMCF in Left AIMS has an internal fault.                                                        | 34-61 TASK 812        |
| 31-51212             | FMCF in Right AIMS has an internal fault.                                                       | 34-61 TASK 812        |
| 31-51213             | FMCF in Left AIMS has an internal software fault.                                               | 34-61 TASK 813        |
| 31-51214             | FMCF in Right AIMS has an internal software fault.                                              | 34-61 TASK 813        |
| 31-51221             | FMCF/Nav in Left AIMS has an internal fault.                                                    | 34-61 TASK 812        |
| 31-51222             | FMCF/Nav in Right AIMS has an internal fault.                                                   | 34-61 TASK 812        |
| 31-51223             | FMCF/Nav in Left AIMS has an internal software fault.                                           | 34-61 TASK 813        |
| 31-51224             | FMCF/Nav in Right AIMS has an internal software fault.                                          | 34-61 TASK 813        |
| 31-51231             | ACMF/QARF in Left AIMS has an internal fault.                                                   | 31-35 TASK 827        |
| 31-51232             | ACMF/QARF in Right AIMS has an internal fault.                                                  | 31-35 TASK 837        |
| 31-51233             | ACMF/QARF in Left AIMS has an internal software fault.                                          | 31-35 TASK 838        |
| 31-51234             | ACMF/QARF in Right AIMS has an internal software fault.                                         | 31-35 TASK 839        |
| 31-51241             | TMCF in Left AIMS has an internal fault.                                                        | 22-31 TASK 833        |
| 31-51242             | TMCF in Right AIMS has an internal fault.                                                       | 22-31 TASK 834        |
| 31-51243             | TMCF in Left AIMS has an internal software fault.                                               | 22-31 TASK 810        |
| 31-51244             | TMCF in Right AIMS has an internal software fault.                                              | 22-31 TASK 811        |
| 31-51301             | ACMF in Left AIMS has an internal fault.                                                        | 31-35 TASK 802        |
| 31-51302             | ACMF in Right AIMS has an internal fault.                                                       | 31-35 TASK 840        |
| 31-51303             | ACMF in Left AIMS has an internal software fault.                                               | 31-35 TASK 830        |
| 31-51304             | ACMF in Right AIMS has an internal software fault.                                              | 31-35 TASK 841        |
| 31-51307             | CPM/ACMF or STD(M002) in Left AIMS 28V DC Hot Battery Bus power is not available.               | 31-44 TASK 853        |
| 31-51308             | CPM/Basic or CPM/ACMF or STD(M002) in Right AIMS 28V DC Hot Battery Bus power is not available. | 31-44 TASK 854        |
| 31-51311             | CMCF in Left AIMS has an internal fault.                                                        | 31-44 TASK 908        |
| 31-51312             | CMCF in Right AIMS has an internal fault.                                                       | 31-44 TASK 909        |
| 31-51313             | CMCF in Left AIMS has an internal software fault.                                               | 31-44 TASK 912        |
| 31-51314             | CMCF in Right AIMS has an internal software fault.                                              | 31-44 TASK 913        |
| 31-51317             | CPM/ACMF or CPM/STD (M002) in Left AIMS 28V DC Capt Flt Inst Bus power is not available.        | 31-44 TASK 855        |
| 31-51318             | CPM/ACMF or Basic or STD (M002) in Right AIMS 28V DC Left Bus power is not available.           | 31-44 TASK 856        |
| 31-51321             | DCMF in Left AIMS has an internal fault.                                                        | 23-27 TASK 865        |
| 31-51322             | DCMF in Right AIMS has an internal fault.                                                       | 23-27 TASK 866        |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| MAINT MESSAGE | MESSAGE TEXT                                                                       | GO TO FIM TASK |
|---------------|------------------------------------------------------------------------------------|----------------|
| 31-51323      | DCMF in Left AIMS has an internal software fault.                                  | 23-27 TASK 867 |
| 31-51324      | DCMF in Right AIMS has an internal software fault.                                 | 23-27 TASK 868 |
| 31-51327      | CPM/ACMF(M002) in Left AIMS 28V DC FO Flt Inst Bus power is not available.         | 31-44 TASK 859 |
| 31-51328      | CPM/Basic or CPM/ACMF(M002) in Right AIMS 28V DC Right Bus power is not available. | 31-44 TASK 860 |
| 31-51331      | DCGF in Left AIMS has an internal fault.                                           | 31-44 TASK 910 |
| 31-51332      | DCGF in Right AIMS has an internal fault.                                          | 31-44 TASK 911 |
| 31-51333      | DCGF in Left AIMS has an internal software fault.                                  | 31-44 TASK 914 |
| 31-51334      | DCGF in Right AIMS has an internal software fault.                                 | 31-44 TASK 915 |
| 31-51341      | DCGF in Left AIMS has an internal fault.                                           | 31-44 TASK 833 |
| 31-51342      | DCGF in Right AIMS has an internal fault.                                          | 31-44 TASK 834 |
| 31-51343      | DCGF in Left AIMS has an internal software fault.                                  | 31-44 TASK 835 |
| 31-51344      | DCGF in Right AIMS has an internal software fault.                                 | 31-44 TASK 836 |
| 31-51351      | DFDAF in Left AIMS has an internal fault.                                          | 31-31 TASK 805 |
| 31-51352      | DFDAF in Right AIMS has an internal fault.                                         | 31-31 TASK 812 |
| 31-51353      | DFDAF in Left AIMS has an internal software fault.                                 | 31-31 TASK 806 |
| 31-51354      | DFDAF in Right AIMS has an internal software fault.                                | 31-31 TASK 816 |
| 31-51361      | Display Function in Left AIMS has an internal fault.                               | 31-61 TASK 936 |
| 31-51362      | Display Function in Right AIMS has an internal fault.                              | 31-61 TASK 937 |
| 31-51363      | Display Function in Left AIMS has an internal software fault.                      | 31-61 TASK 938 |
| 31-51364      | Display Function in Right AIMS has an internal software fault.                     | 31-61 TASK 939 |
| 31-51371      | Display Function in Left AIMS has an internal fault.                               | 31-61 TASK 936 |
| 31-51372      | Display Function in Right AIMS has an internal fault.                              | 31-61 TASK 937 |
| 31-51373      | Display Function in Left AIMS has an internal software fault.                      | 31-61 TASK 938 |
| 31-51374      | Display Function in Right AIMS has an internal software fault.                     | 31-61 TASK 939 |
| 31-51381      | FDCF in Left AIMS has an internal fault.                                           | 23-27 TASK 859 |
| 31-51382      | FDCF in Right AIMS has an internal fault.                                          | 23-27 TASK 860 |
| 31-51383      | FDCF in Left AIMS has an internal software fault.                                  | 23-27 TASK 848 |
| 31-51384      | FDCF in Right AIMS has an internal software fault.                                 | 23-27 TASK 852 |
| 31-51391      | FDCF in Left AIMS has an internal fault.                                           | 23-27 TASK 859 |
| 31-51392      | FDCF in Right AIMS has an internal fault.                                          | 23-27 TASK 860 |
| 31-51393      | FDCF in Left AIMS has an internal software fault.                                  | 23-27 TASK 848 |
| 31-51394      | FDCF in Right AIMS has an internal software fault.                                 | 23-27 TASK 852 |
| 31-51401      | FDO in Left AIMS has an internal fault.                                            | 31-44 TASK 833 |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                        | <b>GO TO FIM TASK</b> |
|----------------------|----------------------------------------------------------------------------|-----------------------|
| 31-51402             | FDO in Right AIMS has an internal fault.                                   | 31-44 TASK 834        |
| 31-51403             | FDO in Left AIMS has an internal software fault.                           | 31-44 TASK 835        |
| 31-51404             | FDO in Right AIMS has an internal software fault.                          | 31-44 TASK 836        |
| 31-51411*            | FMCF in Left AIMS has an internal fault.                                   | 34-61 TASK 913        |
| 31-51412*            | FMCF in Right AIMS has an internal fault.                                  | 34-61 TASK 914        |
| 31-51413*            | FMCF in Left AIMS has an internal software fault.                          | 34-61 TASK 815        |
| 31-51414*            | FMCF in Right AIMS has an internal software fault.                         | 34-61 TASK 889        |
| 31-51421*            | FMCF/Nav in Left AIMS has an internal fault.                               | 34-61 TASK 888        |
| 31-51422*            | FMCF/Nav in Right AIMS has an internal fault.                              | 34-61 TASK 814        |
| 31-51423*            | FMCF/Nav in Left AIMS has an internal software fault.                      | 34-61 TASK 815        |
| 31-51424*            | FMCF/Nav in Right AIMS has an internal software fault.                     | 34-61 TASK 889        |
| 31-51431             | ACMF/QARF in Left AIMS has an internal fault.                              | 31-35 TASK 823        |
| 31-51432             | ACMF/QARF in Right AIMS has an internal fault.                             | 31-35 TASK 842        |
| 31-51433             | ACMF/QARF in Left AIMS has an internal software fault.                     | 31-35 TASK 843        |
| 31-51434             | ACMF/QARF in Right AIMS has an internal software fault.                    | 31-35 TASK 844        |
| 31-51441             | TMCF in Left AIMS has an internal fault.                                   | 22-31 TASK 858        |
| 31-51442             | TMCF in Right AIMS has an internal fault.                                  | 22-31 TASK 812        |
| 31-51443             | TMCF in Left AIMS has an internal software fault.                          | 22-31 TASK 813        |
| 31-51444             | TMCF in Right AIMS has an internal software fault.                         | 22-31 TASK 814        |
| 31-51501             | ACMF in Left AIMS has an internal fault.                                   | 31-35 TASK 807        |
| 31-51502             | ACMF in Right AIMS has an internal fault.                                  | 31-35 TASK 845        |
| 31-51503             | ACMF in Left AIMS has an internal software fault.                          | 31-35 TASK 846        |
| 31-51504             | ACMF in Right AIMS has an internal software fault.                         | 31-35 TASK 847        |
| 31-51507             | CPM/GG(M010) in Left AIMS 28V DC Hot Battery Bus power is not available.   | 31-44 TASK 853        |
| 31-51508             | CPM/GG(M010) in Right AIMS 28V DC Hot Battery Bus power is not available.  | 31-44 TASK 854        |
| 31-51511             | CMCF in Left AIMS has an internal fault.                                   | 31-44 TASK 908        |
| 31-51512             | CMCF in Right AIMS has an internal fault.                                  | 31-44 TASK 909        |
| 31-51513             | CMCF in Left AIMS has an internal software fault.                          | 31-44 TASK 912        |
| 31-51514             | CMCF in Right AIMS has an internal software fault.                         | 31-44 TASK 913        |
| 31-51517             | CPM/GG(M010) in Left AIMS 28V DC Capt Flt Inst Bus power is not available. | 31-44 TASK 861        |
| 31-51518             | CPM/GG(M010) in Right AIMS 28V DC Left Bus power is not available.         | 31-44 TASK 862        |
| 31-51521             | DCMF in Left AIMS has an internal fault.                                   | 23-27 TASK 869        |

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| MAINT MESSAGE | MESSAGE TEXT                                                             | GO TO FIM TASK |
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| 31-51522      | DCMF in Right AIMS has an internal fault.                                | 23-27 TASK 870 |
| 31-51523      | DCMF in Left AIMS has an internal software fault.                        | 23-27 TASK 871 |
| 31-51524      | DCMF in Right AIMS has an internal software fault.                       | 23-27 TASK 872 |
| 31-51527      | CPM/GG(M010) in Left AIMS 28V DC FO Flt Inst Bus power is not available. | 31-44 TASK 857 |
| 31-51528      | CPM/GG(M010) in Right AIMS 28V DC Right Bus power is not available.      | 31-44 TASK 858 |
| 31-51531*     | DCGF in Left AIMS has an internal fault.                                 | 31-44 TASK 837 |
| 31-51532*     | DCGF in Right AIMS has an internal fault.                                | 31-44 TASK 838 |
| 31-51533*     | DCGF in Left AIMS has an internal software fault.                        | 31-44 TASK 839 |
| 31-51534*     | DCGF in Right AIMS has an internal software fault.                       | 31-44 TASK 840 |
| 31-51541      | DCGF in Left AIMS has an internal fault.                                 | 31-44 TASK 910 |
| 31-51542      | DCGF in Right AIMS has an internal fault.                                | 31-44 TASK 911 |
| 31-51543      | DCGF in Left AIMS has an internal software fault.                        | 31-44 TASK 914 |
| 31-51544      | DCGF in Right AIMS has an internal software fault.                       | 31-44 TASK 915 |
| 31-51551      | DFDAF in Left AIMS has an internal fault.                                | 31-31 TASK 807 |
| 31-51552      | DFDAF in Right AIMS has an internal fault.                               | 31-31 TASK 813 |
| 31-51553      | DFDAF in Left AIMS has an internal software fault.                       | 31-31 TASK 808 |
| 31-51554      | DFDAF in Right AIMS has an internal software fault.                      | 31-31 TASK 817 |
| 31-51561*     | Display Function in Left AIMS has an internal fault.                     | 31-61 TASK 940 |
| 31-51562*     | Display Function in Right AIMS has an internal fault.                    | 31-61 TASK 802 |
| 31-51563*     | Display Function in Left AIMS has an internal software fault.            | 31-61 TASK 803 |
| 31-51564*     | Display Function in Right AIMS has an internal software fault.           | 31-61 TASK 804 |
| 31-51571*     | Display Function in Left AIMS has an internal fault.                     | 31-61 TASK 940 |
| 31-51572*     | Display Function in Right AIMS has an internal fault.                    | 31-61 TASK 802 |
| 31-51573*     | Display Function in Left AIMS has an internal software fault.            | 31-61 TASK 803 |
| 31-51574*     | Display Function in Right AIMS has an internal software fault.           | 31-61 TASK 804 |
| 31-51581      | FDCF in Left AIMS has an internal fault.                                 | 23-27 TASK 861 |
| 31-51582      | FDCF in Right AIMS has an internal fault.                                | 23-27 TASK 862 |
| 31-51583      | FDCF in Left AIMS has an internal software fault.                        | 23-27 TASK 849 |
| 31-51584      | FDCF in Right AIMS has an internal software fault.                       | 23-27 TASK 853 |
| 31-51591      | FDCF in Left AIMS has an internal fault.                                 | 23-27 TASK 861 |
| 31-51592      | FDCF in Right AIMS has an internal fault.                                | 23-27 TASK 862 |
| 31-51593      | FDCF in Left AIMS has an internal software fault.                        | 23-27 TASK 849 |
| 31-51594      | FDCF in Right AIMS has an internal software fault.                       | 23-27 TASK 853 |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                        | <b>GO TO FIM TASK</b> |
|----------------------|----------------------------------------------------------------------------|-----------------------|
| 31-51601             | FDO in Left AIMS has an internal fault.                                    | 31-44 TASK 837        |
| 31-51602             | FDO in Right AIMS has an internal fault.                                   | 31-44 TASK 838        |
| 31-51603             | FDO in Left AIMS has an internal software fault.                           | 31-44 TASK 839        |
| 31-51604             | FDO in Right AIMS has an internal software fault.                          | 31-44 TASK 840        |
| 31-51611             | FMCF in Left AIMS has an internal fault.                                   | 34-61 TASK 915        |
| 31-51612             | FMCF in Right AIMS has an internal fault.                                  | 34-61 TASK 915        |
| 31-51613             | FMCF in Left AIMS has an internal software fault.                          | 34-61 TASK 916        |
| 31-51614             | FMCF in Right AIMS has an internal software fault.                         | 34-61 TASK 916        |
| 31-51621             | FMCF/Nav in Left AIMS has an internal fault.                               | 34-61 TASK 915        |
| 31-51622             | FMCF/Nav in Right AIMS has an internal fault.                              | 34-61 TASK 915        |
| 31-51623             | FMCF/Nav in Left AIMS has an internal software fault.                      | 34-61 TASK 916        |
| 31-51624             | FMCF/Nav in Right AIMS has an internal software fault.                     | 34-61 TASK 916        |
| 31-51631             | ACMF/QARF in Left AIMS has an internal fault.                              | 31-35 TASK 825        |
| 31-51632             | ACMF/QARF in Right AIMS has an internal fault.                             | 31-35 TASK 848        |
| 31-51633             | ACMF/QARF in Left AIMS has an internal software fault.                     | 31-35 TASK 849        |
| 31-51634             | ACMF/QARF in Right AIMS has an internal software fault.                    | 31-35 TASK 850        |
| 31-51641             | TMCF in Left AIMS has an internal fault.                                   | 22-31 TASK 835        |
| 31-51642             | TMCF in Right AIMS has an internal fault.                                  | 22-31 TASK 836        |
| 31-51643             | TMCF in Left AIMS has an internal software fault.                          | 22-31 TASK 815        |
| 31-51644             | TMCF in Right AIMS has an internal software fault.                         | 22-31 TASK 816        |
| 31-51701             | ACMF in Left AIMS has an internal fault.                                   | 31-35 TASK 808        |
| 31-51702             | ACMF in Right AIMS has an internal fault.                                  | 31-35 TASK 851        |
| 31-51703             | ACMF in Left AIMS has an internal software fault.                          | 31-35 TASK 852        |
| 31-51704             | ACMF in Right AIMS has an internal software fault.                         | 31-35 TASK 853        |
| 31-51707             | CPM/GG(M011) in Left AIMS 28V DC Hot Battery Bus power is not available.   | 31-44 TASK 853        |
| 31-51708             | CPM/GG(M011) in Right AIMS 28V DC Hot Battery Bus power is not available.  | 31-44 TASK 854        |
| 31-51711             | CMCF in Left AIMS has an internal fault.                                   | 31-44 TASK 908        |
| 31-51712             | CMCF in Right AIMS has an internal fault.                                  | 31-44 TASK 909        |
| 31-51713             | CMCF in Left AIMS has an internal software fault.                          | 31-44 TASK 912        |
| 31-51714             | CMCF in Right AIMS has an internal software fault.                         | 31-44 TASK 913        |
| 31-51717             | CPM/GG(M011) in Left AIMS 28V DC Capt Flt Inst Bus power is not available. | 31-44 TASK 861        |
| 31-51718             | CPM/GG(M011) in Right AIMS 28V DC Left Bus power is not available.         | 31-44 TASK 862        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                      | <b>GO TO FIM TASK</b> |
|----------------------|--------------------------------------------------------------------------|-----------------------|
| 31-51721             | DCMF in Left AIMS has an internal fault.                                 | 23-27 TASK 873        |
| 31-51722             | DCMF in Right AIMS has an internal fault.                                | 23-27 TASK 874        |
| 31-51723             | DCMF in Left AIMS has an internal software fault.                        | 23-27 TASK 875        |
| 31-51724             | DCMF in Right AIMS has an internal software fault.                       | 23-27 TASK 876        |
| 31-51727             | CPM/GG(M011) in Left AIMS 28V DC FO Flt Inst Bus power is not available. | 31-44 TASK 859        |
| 31-51728             | CPM/GG(M011) in Right AIMS 28V DC Right Bus power is not available.      | 31-44 TASK 860        |
| 31-51731*            | DCGF in Left AIMS has an internal fault.                                 | 31-44 TASK 841        |
| 31-51732*            | DCGF in Right AIMS has an internal fault.                                | 31-44 TASK 842        |
| 31-51733*            | DCGF in Left AIMS has an internal software fault.                        | 31-44 TASK 843        |
| 31-51734*            | DCGF in Right AIMS has an internal software fault.                       | 31-44 TASK 844        |
| 31-51741             | DCGF in Left AIMS has an internal fault.                                 | 31-44 TASK 910        |
| 31-51742             | DCGF in Right AIMS has an internal fault.                                | 31-44 TASK 911        |
| 31-51743             | DCGF in Left AIMS has an internal software fault.                        | 31-44 TASK 914        |
| 31-51744             | DCGF in Right AIMS has an internal software fault.                       | 31-44 TASK 915        |
| 31-51751             | DFDAF in Left AIMS has an internal fault.                                | 31-31 TASK 809        |
| 31-51752             | DFDAF in Right AIMS has an internal fault.                               | 31-31 TASK 814        |
| 31-51753             | DFDAF in Left AIMS has an internal software fault.                       | 31-31 TASK 810        |
| 31-51754             | DFDAF in Right AIMS has an internal software fault.                      | 31-31 TASK 818        |
| 31-51761*            | Display Function in Left AIMS has an internal fault.                     | 31-61 TASK 805        |
| 31-51762*            | Display Function in Right AIMS has an internal fault.                    | 31-61 TASK 806        |
| 31-51763*            | Display Function in Left AIMS has an internal software fault.            | 31-61 TASK 807        |
| 31-51764*            | Display Function in Right AIMS has an internal software fault.           | 31-61 TASK 808        |
| 31-51771*            | Display Function in Left AIMS has an internal fault.                     | 31-61 TASK 805        |
| 31-51772*            | Display Function in Right AIMS has an internal fault.                    | 31-61 TASK 806        |
| 31-51773*            | Display Function in Left AIMS has an internal software fault.            | 31-61 TASK 807        |
| 31-51774*            | Display Function in Right AIMS has an internal software fault.           | 31-61 TASK 808        |
| 31-51781             | FDCF in Left AIMS has an internal fault.                                 | 23-27 TASK 863        |
| 31-51782             | FDCF in Right AIMS has an internal fault.                                | 23-27 TASK 864        |
| 31-51783             | FDCF in Left AIMS has an internal software fault.                        | 23-27 TASK 850        |
| 31-51784             | FDCF in Right AIMS has an internal software fault.                       | 23-27 TASK 854        |
| 31-51791             | FDCF in Left AIMS has an internal fault.                                 | 23-27 TASK 863        |
| 31-51792             | FDCF in Right AIMS has an internal fault.                                | 23-27 TASK 864        |
| 31-51793             | FDCF in Left AIMS has an internal software fault.                        | 23-27 TASK 850        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                     | <b>GO TO FIM TASK</b> |
|----------------------|---------------------------------------------------------|-----------------------|
| 31-51794             | FDCF in Right AIMS has an internal software fault.      | 23-27 TASK 854        |
| 31-51801             | FDO in Left AIMS has an internal fault.                 | 31-44 TASK 841        |
| 31-51802             | FDO in Right AIMS has an internal fault.                | 31-44 TASK 842        |
| 31-51803             | FDO in Left AIMS has an internal software fault.        | 31-44 TASK 843        |
| 31-51804             | FDO in Right AIMS has an internal software fault.       | 31-44 TASK 844        |
| 31-51811             | FMCF in Left AIMS has an internal fault.                | 34-61 TASK 816        |
| 31-51812             | FMCF in Right AIMS has an internal fault.               | 34-61 TASK 816        |
| 31-51813             | FMCF in Left AIMS has an internal software fault.       | 34-61 TASK 817        |
| 31-51814             | FMCF in Right AIMS has an internal software fault.      | 34-61 TASK 817        |
| 31-51821             | FMCF/Nav in Left AIMS has an internal fault.            | 34-61 TASK 816        |
| 31-51822             | FMCF/Nav in Right AIMS has an internal fault.           | 34-61 TASK 816        |
| 31-51823             | FMCF/Nav in Left AIMS has an internal software fault.   | 34-61 TASK 817        |
| 31-51824             | FMCF/Nav in Right AIMS has an internal software fault.  | 34-61 TASK 817        |
| 31-51831             | ACMF/QARF in Left AIMS has an internal fault.           | 31-35 TASK 826        |
| 31-51832             | ACMF/QARF in Right AIMS has an internal fault.          | 31-35 TASK 854        |
| 31-51833             | ACMF/QARF in Left AIMS has an internal software fault.  | 31-35 TASK 855        |
| 31-51834             | ACMF/QARF in Right AIMS has an internal software fault. | 31-35 TASK 856        |
| 31-51841             | TMCF in Left AIMS has an internal fault.                | 22-31 TASK 837        |
| 31-51842             | TMCF in Right AIMS has an internal fault.               | 22-31 TASK 838        |
| 31-51843             | TMCF in Left AIMS has an internal software fault.       | 22-31 TASK 817        |
| 31-51844             | TMCF in Right AIMS has an internal software fault.      | 22-31 TASK 818        |
| 31-51851             | CMCF in Left AIMS has an internal fault.                | 31-44 TASK 851        |
| 31-51852             | CMCF in Right AIMS has an internal fault.               | 31-44 TASK 852        |
| 31-51853             | CMCF in Left AIMS has an internal software fault.       | 31-44 TASK 926        |
| 31-51854             | CMCF in Right AIMS has an internal software fault.      | 31-44 TASK 927        |
| 31-51861             | FDO in Left AIMS has an internal fault.                 | 31-44 TASK 851        |
| 31-51862             | FDO in Right AIMS has an internal fault.                | 31-44 TASK 852        |
| 31-51863             | FDO in Left AIMS has an internal software fault.        | 31-44 TASK 926        |
| 31-51864             | FDO in Right AIMS has an internal software fault.       | 31-44 TASK 927        |
| 31-51871             | IO in Left AIMS has an internal fault.                  | 31-44 TASK 851        |
| 31-51872             | IO in Right AIMS has an internal fault.                 | 31-44 TASK 852        |
| 31-51873             | IO in Left AIMS has an internal software fault.         | 31-44 TASK 926        |
| 31-51874             | IO in Right AIMS has an internal software fault.        | 31-44 TASK 927        |
| 31-51881             | CMCF in Left AIMS has an internal fault.                | 31-44 TASK 849        |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                | <b>GO TO FIM TASK</b> |
|----------------------|----------------------------------------------------|-----------------------|
| 31-51882             | CMCF in Right AIMS has an internal fault.          | 31-44 TASK 850        |
| 31-51883             | CMCF in Left AIMS has an internal software fault.  | 31-44 TASK 924        |
| 31-51884             | CMCF in Right AIMS has an internal software fault. | 31-44 TASK 925        |
| 31-51891             | FDO in Left AIMS has an internal fault.            | 31-44 TASK 849        |
| 31-51892             | FDO in Right AIMS has an internal fault.           | 31-44 TASK 850        |
| 31-51893             | FDO in Left AIMS has an internal software fault.   | 31-44 TASK 924        |
| 31-51894             | FDO in Right AIMS has an internal software fault.  | 31-44 TASK 925        |
| 31-51901             | IO in Left AIMS has an internal fault.             | 31-44 TASK 849        |
| 31-51902             | IO in Right AIMS has an internal fault.            | 31-44 TASK 850        |
| 31-51903             | IO in Left AIMS has an internal software fault.    | 31-44 TASK 924        |
| 31-51904             | IO in Right AIMS has an internal software fault.   | 31-44 TASK 925        |
| 31-51911             | CMCF in Left AIMS has an internal fault.           | 31-44 TASK 847        |
| 31-51912             | CMCF in Right AIMS has an internal fault.          | 31-44 TASK 848        |
| 31-51913             | CMCF in Left AIMS has an internal software fault.  | 31-44 TASK 922        |
| 31-51914             | CMCF in Right AIMS has an internal software fault. | 31-44 TASK 923        |
| 31-51921             | FDO in Left AIMS has an internal fault.            | 31-44 TASK 847        |
| 31-51922             | FDO in Right AIMS has an internal fault.           | 31-44 TASK 848        |
| 31-51923             | FDO in Left AIMS has an internal software fault.   | 31-44 TASK 922        |
| 31-51924             | FDO in Right AIMS has an internal software fault.  | 31-44 TASK 923        |
| 31-51931             | IO in Left AIMS has an internal fault.             | 31-44 TASK 847        |
| 31-51932             | IO in Right AIMS has an internal failure.          | 31-44 TASK 848        |
| 31-51933             | IO in Left AIMS has an internal software fault.    | 31-44 TASK 922        |
| 31-51934             | IO in Right AIMS has an internal software fault.   | 31-44 TASK 923        |
| 31-51941             | CMCF in Left AIMS has an internal fault.           | 31-44 TASK 845        |
| 31-51942             | CMCF in Right AIMS has an internal fault.          | 31-44 TASK 846        |
| 31-51943             | CMCF in Left AIMS has an internal software fault.  | 31-44 TASK 920        |
| 31-51944             | CMCF in Right AIMS has an internal software fault. | 31-44 TASK 921        |
| 31-51951             | FDO in Left AIMS has an internal fault.            | 31-44 TASK 845        |
| 31-51952             | FDO in Right AIMS has an internal fault.           | 31-44 TASK 846        |
| 31-51953             | FDO in Left AIMS has an internal software fault.   | 31-44 TASK 920        |
| 31-51954             | FDO in Right AIMS has an internal software fault.  | 31-44 TASK 921        |
| 31-51961             | IO in Left AIMS has an internal fault.             | 31-44 TASK 845        |
| 31-51962             | IO in Right AIMS has an internal fault.            | 31-44 TASK 846        |
| 31-51963             | IO in Left AIMS has an internal software fault.    | 31-44 TASK 920        |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                                                                             | GO TO FIM TASK |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-51964      | IO in Right AIMS has an internal software fault.                                                                                                                                                                                                                                                                                                                                                                         | 31-44 TASK 921 |
| 31-52011      | IOM(M003) in Left AIMS has an internal fault.                                                                                                                                                                                                                                                                                                                                                                            | 31-44 TASK 873 |
| 31-52012      | IOM(M003) in Right AIMS has an internal fault.                                                                                                                                                                                                                                                                                                                                                                           | 31-44 TASK 874 |
| 31-52013*     | IOM(M003) in Left AIMS has no output on the AIMS Backplane.                                                                                                                                                                                                                                                                                                                                                              | 31-43 TASK 866 |
| 31-52014*     | IOM(M003) in Right AIMS has no output on the AIMS Backplane.                                                                                                                                                                                                                                                                                                                                                             | 31-43 TASK 867 |
| 31-52015      | IOM(M003) in Left AIMS has an internal data bus fault.                                                                                                                                                                                                                                                                                                                                                                   | 31-44 TASK 845 |
| 31-52016      | IOM(M003) in Right AIMS has an internal data bus fault.                                                                                                                                                                                                                                                                                                                                                                  | 31-44 TASK 846 |
| 31-52017      | IOM(M003) in Left AIMS has an internal hardware power fault.                                                                                                                                                                                                                                                                                                                                                             | 31-44 TASK 904 |
| 31-52018      | IOM(M003) in Right AIMS has an internal hardware power fault.                                                                                                                                                                                                                                                                                                                                                            | 31-44 TASK 905 |
| 31-52025      | CPM/STD (M002) in left AIMS has an internal hardware power fault.                                                                                                                                                                                                                                                                                                                                                        | 31-44 TASK 892 |
| 31-52026      | CPM/STD (M002) in Right AIMS has an internal hardware power fault.                                                                                                                                                                                                                                                                                                                                                       | 31-44 TASK 893 |
| 31-52101*     | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>IOM(M003) in Left AIMS has an ARINC 629 fault on Flight Controls ARINC 629 Bus (Center).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>IOM(M003) in Left AIMS has an ARINC 629 fault on Flight Controls ARINC 629 Bus (center). | 31-41 TASK 817 |
| 31-52102      | IOM(M003) in Right AIMS has a fault on AIMS Intercabinet Bus (4).                                                                                                                                                                                                                                                                                                                                                        | 31-41 TASK 818 |
| 31-52107      | IOM(M003) in Left AIMS 28V DC Hot Battery Bus power is not available.                                                                                                                                                                                                                                                                                                                                                    | 31-44 TASK 853 |
| 31-52108      | IOM(M003) in Right AIMS 28V DC Hot Battery Bus power is not available.                                                                                                                                                                                                                                                                                                                                                   | 31-44 TASK 854 |
| 31-52110      | IOM(M003) in Right AIMS has an ARINC 629 fault on Flight Controls ARINC 629 Bus (Righ).                                                                                                                                                                                                                                                                                                                                  | 31-41 TASK 989 |
| 31-52111      | IOM(M003) in Left AIMS has a fault on AIMS Intercabinet Bus (2).                                                                                                                                                                                                                                                                                                                                                         | 31-41 TASK 819 |
| 31-52112*     | IOM(M003) in Right AIMS has an ARINC 629 fault on Flight Controls ARINC 629 bus.                                                                                                                                                                                                                                                                                                                                         | 31-41 TASK 820 |
| 31-52114      | IOM(M003) in Right AIMS has a fault on AIMS Intercabinet Bus 4).                                                                                                                                                                                                                                                                                                                                                         | 31-45 TASK 809 |
| 31-52117      | IOM(M003) in Left AIMS 28V DC Capt Flt Inst Bus power is not available.                                                                                                                                                                                                                                                                                                                                                  | 31-44 TASK 855 |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                  | <b>GO TO FIM TASK</b> |
|----------------------|--------------------------------------------------------------------------------------|-----------------------|
| 31-52118             | IOM(M003) in Right AIMS 28V DC Left Bus power is not available.                      | 31-44 TASK 856        |
| 31-52121             | IOM(M003) in Left AIMS has an ARINC 629 fault on System ARINC 629 Bus (center 2).    | 31-41 TASK 821        |
| 31-52122             | IOM(M003) in Right AIMS has an ARINC 629 fault on System ARINC 629 Bus (center 2).   | 31-41 TASK 822        |
| 31-52127             | IOM(M003) in Left AIMS 28V DC FO Flt Inst Bus power is not available.                | 31-44 TASK 857        |
| 31-52128             | IOM(M003) in Right AIMS 28V DC Right Bus power is not available.                     | 31-44 TASK 858        |
| 31-52201             | IOM(M003) in Left AIMS has an ARINC 429 input fault on Left Clock Data Bus (429).    | 31-41 TASK 914        |
| 31-52202             | IOM(M003) in Right AIMS has an ARINC 429 input fault on Right Clock Data Bus (429).  | 31-41 TASK 915        |
| 31-52211             | IOM(M003) in Left AIMS has an ARINC 429 input fault (Spare).                         | 31-41 TASK 918        |
| 31-52212             | IOM(M003) in Right AIMS has an ARINC 429 input fault on SDU-R Data to CMU Bus (429). | 31-41 TASK 918        |
| 31-52221             | IOM(M003) in Left AIMS has an ARINC 429 input fault on CCS Status Bus In (429).      | 31-41 TASK 914        |
| 31-52222             | IOM(M003) in Right AIMS has an ARINC 429 input fault on CCS Status Bus In (429).     | 31-41 TASK 915        |
| 31-52231             | IOM(M003) in Left AIMS has an ARINC 429 input fault on RTP-R Bus 1 (429).            | 31-41 TASK 914        |
| 31-52232             | IOM(M003) in Right AIMS has an ARINC 429 input fault on RTP-L Bus 1 (429).           | 31-41 TASK 915        |
| 31-52241             | IOM(M003) in Left AIMS has an ARINC 429 input fault on SDU-L CFDS Bus (429).         | 31-41 TASK 914        |
| 31-52242             | IOM(M003) in Right AIMS has an ARINC 429 input fault on SDU-R CFDS Bus (429).        | 31-41 TASK 918        |
| 31-52251             | IOM(M003) in Left AIMS has an ARINC 429 input fault (Spare).                         | 31-41 TASK 918        |
| 31-52252             | IOM(M003) in Right AIMS has an ARINC 429 input fault (Spare).                        | 31-41 TASK 918        |
| 31-52261             | IOM(M003) in Left AIMS has an ARINC 429 input fault (Spare).                         | 31-41 TASK 914        |
| 31-52262             | IOM(M003) in Right AIMS has an ARINC 429 input fault (Spare).                        | 31-41 TASK 915        |
| 31-52271             | IOM(M003) in Left AIMS has an ARINC 429 input fault on ATC-L XT Coord #1 Bus (429).  | 31-41 TASK 914        |
| 31-52272             | IOM(M003) in Right AIMS has an ARINC 429 input fault on ATC-R XT Coord #2 Bus (429). | 31-41 TASK 915        |
| 31-52281             | IOM(M003) in Left AIMS has an ARINC 429 input fault (Spare).                         | 31-41 TASK 918        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                              | <b>GO TO FIM TASK</b> |
|----------------------|--------------------------------------------------------------------------------------------------|-----------------------|
| 31-52282             | IOM(M003) in Right AIMS has an ARINC 429 input fault (Spare).                                    | 31-41 TASK 918        |
| 31-52291             | IOM(M003) in Left AIMS has an ARINC 429 input fault (Spare).                                     | 31-41 TASK 918        |
| 31-52292             | IOM(M003) in Right AIMS has an ARINC 429 input fault (Spare).                                    | 31-41 TASK 915        |
| 31-52301             | IOM(M003) in Left AIMS has an ARINC 429 input fault on Display Unit-Right Inboard(ND) Bus (429). | 31-41 TASK 914        |
| 31-52302             | IOM(M003) in Right AIMS has an ARINC 429 input fault on Display Unit-Left Inboard(ND) Bus (429). | 31-41 TASK 915        |
| 31-52311             | IOM(M003) in Left AIMS has an ARINC 429 input fault (Spare).                                     | 31-41 TASK 914        |
| 31-52312             | IOM(M003) in Right AIMS has an ARINC 429 input fault (Spare).                                    | 31-41 TASK 915        |
| 31-52321             | IOM(M003) in Left AIMS has an ARINC 429 input fault (Spare).                                     | 31-41 TASK 918        |
| 31-52322             | IOM(M003) in Right AIMS has an ARINC 429 input fault (Spare).                                    | 31-41 TASK 918        |
| 31-52331             | IOM(M003) in Left AIMS has an ARINC 429 input fault on MCP B Input Bus (429).                    | 31-41 TASK 914        |
| 31-52332             | IOM(M003) in Right AIMS has an ARINC 429 input fault on RA-C Altitude #1 Bus (429).              | 31-41 TASK 915        |
| 31-52341             | IOM(M003) in Left AIMS has an ARINC 429 input fault on DME-R Distance Data #1 Bus (429).         | 31-41 TASK 914        |
| 31-52342             | IOM(M003) in Right AIMS has an ARINC 429 input fault on Autothrottle Servo Motor-R Bus (429).    | 31-41 TASK 915        |
| 31-52351             | IOM(M003) in Left AIMS has an ARINC 429 input fault on GPS-R Data Bus 1 (429).                   | 31-41 TASK 914        |
| 31-52352             | IOM(M003) in Right AIMS has an ARINC 429 input fault on Cursor Control Device-R Bus (429).       | 31-41 TASK 915        |
| 31-52361             | IOM(M003) in Left AIMS has an ARINC 429 input fault on ADF-R Bearing #1 Bus (429).               | 31-41 TASK 914        |
| 31-52362             | IOM(M003) in Right AIMS has an ARINC 429 input fault on RA-L Altitude #1 Bus (429).              | 31-41 TASK 915        |
| 31-52371             | IOM(M003) in Left AIMS has an ARINC 429 input fault on RA-C Altitude #1 Bus (429).               | 31-41 TASK 914        |
| 31-52372             | IOM(M003) in Right AIMS has an ARINC 429 input fault on ADF-R Bearing #2 Bus (429).              | 31-41 TASK 915        |
| 31-52381             | IOM(M003) in Left AIMS has an ARINC 429 input fault on RA-L Altitude #1 Bus (429).               | 31-41 TASK 914        |
| 31-52382             | IOM(M003) in Right AIMS has an ARINC 429 input fault on DME-R Distance Data #2 Bus (429).        | 31-41 TASK 915        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                 | <b>GO TO FIM TASK</b> |
|----------------------|-----------------------------------------------------------------------------------------------------|-----------------------|
| 31-52391             | IOM(M003) in Left AIMS has an ARINC 429 input fault on SDU-L Data to CMU Bus (429).                 | 31-41 TASK 914        |
| 31-52392             | IOM(M003) in Right AIMS has an ARINC 429 input fault on GPS-R Data Bus 2 (429).                     | 31-41 TASK 915        |
| 31-52401             | IOM(M003) in Left AIMS has an ARINC 429 input fault on Autothrottle Servo Motor-R Bus (429).        | 31-41 TASK 914        |
| 31-52402             | IOM(M003) in Right AIMS has an ARINC 429 input fault on MCP B Input Bus (429).                      | 31-41 TASK 915        |
| 31-52411             | IOM(M003) in Left AIMS has an ARINC 429 input fault on GPWC CMC Input Bus (429).                    | 31-41 TASK 914        |
| 31-52412             | IOM(M003) in Right AIMS has an ARINC 429 input fault on GPWC CMC Input Bus (429).                   | 31-41 TASK 915        |
| 31-52421             | IOM(M003) in Left AIMS has an ARINC 429 input fault on Display Unit-Center Upper(EICAS) Bus (429).  | 31-41 TASK 914        |
| 31-52422             | IOM(M003) in Right AIMS has an ARINC 429 input fault on Display Unit-Center Upper(EICAS) Bus (429). | 31-41 TASK 915        |
| 31-52431             | IOM(M003) in Left AIMS has an ARINC 429 input fault on Display Unit-Left Inboard(ND) Bus (429).     | 31-41 TASK 914        |
| 31-52432             | IOM(M003) in Right AIMS has an ARINC 429 input fault on Display Unit-Right Inboard(ND) Bus (429).   | 31-41 TASK 915        |
| 31-52441             | IOM(M003) in Left AIMS has an ARINC 429 input fault on VOR-R Omnibearing #1 Bus (429).              | 31-41 TASK 914        |
| 31-52442             | IOM(M003) in Right AIMS has an ARINC 429 input fault on ILS-R Output #2 Bus (429).                  | 31-41 TASK 915        |
| 31-52451             | IOM(M003) in Left AIMS has an ARINC 429 input fault on ILS-L Output #2 Bus (429).                   | 31-41 TASK 914        |
| 31-52452             | IOM(M003) in Right AIMS has an ARINC 429 input fault (Spare).                                       | 31-41 TASK 918        |
| 31-52461             | IOM(M003) in Left AIMS has an ARINC 429 input fault on Cursor Control Device-L Bus (429).           | 31-41 TASK 914        |
| 31-52462             | IOM(M003) in Right AIMS has an ARINC 429 input fault on VOR-R Omnibearing #2 Bus (429).             | 31-41 TASK 915        |
| 31-52501*            | IOM(M003) in Left AIMS has an ARINC 429 output fault on General Purpose #1 Bus (AIMS-L) (429).      | 31-43 TASK 809        |
| 31-52502*            | IOM(M003) in Right AIMS has an ARINC 429 output fault on General Purpose #1 Bus (AIMS-R) (429).     | 31-43 TASK 810        |
| 31-52511             | IOM(M003) in Left AIMS has an ARINC 429 output fault on DCMF-L Data Wrap Bus (429).                 | 31-43 TASK 854        |
| 31-52512             | IOM(M003) in Right AIMS has an ARINC 429 output fault on DCMF-R Data Wrap Bus (429).                | 31-43 TASK 854        |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                      | GO TO FIM TASK |
|---------------|-------------------------------------------------------------------------------------------------------------------|----------------|
| 31-52521      | IOM(M003) in Left AIMS has an ARINC 429 output fault (Spare).                                                     | 31-43 TASK 811 |
| 31-52522      | IOM(M003) in Right AIMS has an ARINC 429 output fault (Spare).                                                    | 31-43 TASK 812 |
| 31-52531*     | IOM(M003) in Left AIMS has an ARINC 429 output fault on General Purpose #2 Bus (AIMS-L) (429).                    | 31-43 TASK 813 |
| 31-52532*     | IOM(M003) in Right AIMS has an ARINC 429 output fault on General Purpose #2 Bus (AIMS-R) (429).                   | 31-43 TASK 814 |
| 31-52541      | IOM(M003) in Left AIMS has an ARINC 429 output fault on General Purpose #3 Bus (AIMS-L) (429).                    | 31-43 TASK 815 |
| 31-52542      | IOM(M003) in Right AIMS has an ARINC 429 output fault on General Purpose #3 Bus (AIMS-R) (429).                   | 31-43 TASK 816 |
| 31-52551      | IOM(M003) in Left AIMS has an ARINC 429 output fault.                                                             | 31-41 TASK 977 |
| 31-52552      | IOM(M003) in Right AIMS has an ARINC 429 output fault.                                                            | 31-41 TASK 978 |
| 31-52561      | IOM(M003) in Left AIMS has an ARINC 429 output fault.                                                             | 31-41 TASK 977 |
| 31-52562      | IOM(M003) in Right AIMS has an ARINC 429 output fault.                                                            | 31-41 TASK 978 |
| 31-52571      | IOM(M003) in Left AIMS has an ARINC 429 output fault.                                                             | 31-41 TASK 977 |
| 31-52572      | IOM(M003) in Right AIMS has an ARINC 429 output fault.                                                            | 31-41 TASK 978 |
| 31-52581*     | IOM(M003) in Left AIMS has no input from IOM(M004) in Left AIMS on General Purpose #2 Wrap Bus (AIMS-L) (429).    | 31-43 TASK 855 |
| 31-52582*     | IOM(M003) in Right AIMS has no input from IOM(M004) in Right AIMS on General Purpose #2 Wrap Bus (AIMS-R) (429).  | 31-43 TASK 855 |
| 31-52591      | IOM(M003) in Left AIMS has no input from IOM(M008) in Right AIMS on General Purpose #3 XCabinet AIMS-L Bus (429). | 31-43 TASK 855 |
| 31-52592      | IOM(M003) in Right AIMS has no input from IOM(M008) in Left AIMS on General Purpose #3 XCabinet AIMS-R Bus (429). | 31-43 TASK 855 |
| 31-52601      | IOM(M003) in Left AIMS has a discrete input fault.                                                                | 31-41 TASK 832 |
| 31-52602      | IOM(M003) in Right AIMS has a discrete input fault.                                                               | 31-41 TASK 833 |
| 31-53201      | IOM(M003) in Left AIMS has a discrete output fault.                                                               | 31-41 TASK 923 |
| 31-53202      | IOM(M003) in Right AIMS has a discrete output fault.                                                              | 31-41 TASK 923 |
| 31-53211      | IOM(M003) in Left AIMS has a discrete output fault.                                                               | 31-41 TASK 823 |
| 31-53212      | IOM(M003) in Right AIMS has a discrete output fault.                                                              | 31-41 TASK 923 |
| 31-53221      | IOM(M003) in Left AIMS has a discrete output fault.                                                               | 31-41 TASK 923 |
| 31-53222      | IOM(M003) in Right AIMS has a discrete output fault.                                                              | 31-41 TASK 923 |
| 31-53231      | IOM(M003) in Left AIMS has a discrete output fault.                                                               | 31-41 TASK 923 |
| 31-53232      | IOM(M003) in Right AIMS has a discrete output fault.                                                              | 31-41 TASK 923 |
| 31-53241      | IOM(M003) in Left AIMS has a discrete output fault.                                                               | 31-41 TASK 824 |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| MAINT MESSAGE | MESSAGE TEXT                                                 | GO TO FIM TASK |
|---------------|--------------------------------------------------------------|----------------|
| 31-53242      | IOM(M003) in Right AIMS has a discrete output fault.         | 31-41 TASK 825 |
| 31-53251      | IOM(M003) in Left AIMS has a discrete output fault.          | 31-41 TASK 826 |
| 31-53252      | IOM(M003) in Right AIMS has a discrete output fault.         | 31-41 TASK 827 |
| 31-53261      | IOM(M003) in Left AIMS has a discrete output fault.          | 31-41 TASK 923 |
| 31-53262      | IOM(M003) in Right AIMS has a discrete output fault.         | 31-41 TASK 923 |
| 31-53271      | IOM(M003) in Left AIMS has a discrete output fault.          | 31-41 TASK 923 |
| 31-53272      | IOM(M003) in Right AIMS has a discrete output fault.         | 31-41 TASK 923 |
| 31-53281      | IOM(M003) in Left AIMS has a discrete output fault.          | 31-41 TASK 863 |
| 31-53282      | IOM(M003) in Right AIMS has a discrete output fault.         | 31-41 TASK 864 |
| 31-53291      | IOM(M003) in Left AIMS has a discrete output fault.          | 31-41 TASK 865 |
| 31-53292      | IOM(M003) in Right AIMS has a discrete output fault.         | 31-41 TASK 866 |
| 31-53301      | IOM(M003) in Left AIMS has a discrete output fault.          | 31-41 TASK 923 |
| 31-53302      | IOM(M003) in Right AIMS has a discrete output fault.         | 31-41 TASK 923 |
| 31-53311      | IOM(M003) in Left AIMS has a discrete output fault.          | 31-41 TASK 923 |
| 31-53312      | IOM(M003) in Right AIMS has a discrete output fault.         | 31-41 TASK 951 |
| 31-53321      | IOM(M003) in Left AIMS has a discrete output fault.          | 31-41 TASK 959 |
| 31-53322      | IOM(M003) in Right AIMS has a discrete output fault.         | 31-41 TASK 960 |
| 31-53331      | IOM(M003) in Left AIMS has a discrete output fault.          | 31-41 TASK 961 |
| 31-53332      | IOM(M003) in Right AIMS has a discrete output fault.         | 31-41 TASK 962 |
| 31-53341      | IOM(M003) in Left AIMS has a discrete output fault.          | 31-41 TASK 923 |
| 31-53342      | IOM(M003) in Right AIMS has a discrete output fault.         | 31-41 TASK 923 |
| 31-53351      | IOM(M003) in Left AIMS has a discrete output fault.          | 31-41 TASK 952 |
| 31-53352      | IOM(M003) in Right AIMS has a discrete output fault.         | 31-41 TASK 910 |
| 31-53401*     | IOM(M003) in Left AIMS has an analog input or output fault.  | 31-41 TASK 832 |
| 31-53402*     | IOM(M003) in Right AIMS has an analog input or output fault. | 31-41 TASK 833 |
| 31-53701*     | IOM(M003) in Left AIMS has an ARINC 429 input fault.         | 31-41 TASK 832 |
| 31-53702*     | IOM(M003) in Right AIMS has an ARINC 429 input fault.        | 31-41 TASK 833 |
| 31-53711*     | IOM(M003) in Left AIMS has an ARINC 429 input fault.         | 31-41 TASK 832 |
| 31-53712*     | IOM(M003) in Right AIMS has an ARINC 429 input fault.        | 31-41 TASK 833 |
| 31-53721*     | IOM(M003) in Left AIMS has an ARINC 429 input fault.         | 31-41 TASK 832 |
| 31-53722*     | IOM(M003) in Right AIMS has an ARINC 429 input fault.        | 31-41 TASK 833 |
| 31-53731*     | IOM(M003) in Left AIMS has an ARINC 429 input fault.         | 31-41 TASK 832 |
| 31-53732*     | IOM(M003) in Right AIMS has an ARINC 429 input fault.        | 31-41 TASK 833 |
| 31-54011      | IOM(M004) in Left AIMS has an internal fault.                | 31-44 TASK 875 |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                  | GO TO FIM TASK |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-54012      | IOM(M004) in Right AIMS has an internal fault.                                                                                                                                                                                                                                                                                                                | 31-44 TASK 876 |
| 31-54013*     | IOM(M004) in Left AIMS has no output on the AIMS Backplane.                                                                                                                                                                                                                                                                                                   | 31-43 TASK 868 |
| 31-54014*     | IOM(M004) in Right AIMS has no output on the AIMS Backplane.                                                                                                                                                                                                                                                                                                  | 31-43 TASK 869 |
| 31-54015      | IOM(M004) in Left AIMS has an internal data bus fault.                                                                                                                                                                                                                                                                                                        | 31-44 TASK 847 |
| 31-54016      | IOM(M004) in Right AIMS has an internal data bus fault.                                                                                                                                                                                                                                                                                                       | 31-44 TASK 848 |
| 31-54025      | <b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br>IOM (M004) in Left AIMS has an internal channel B fault.<br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>IOM (M004) in Left AIMS has an internal hardware power fault. | 31-44 TASK 894 |
| 31-54026      | <b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>IOM (M004) in Right AIMS has an internal hardware power fault.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br>IOM (M004) in Right AIMS has an internal power fault.   | 31-44 TASK 895 |
| 31-54101*     | IOM(M004) in Left AIMS has an ARINC 629 fault on Flight Controls ARINC 629 Bus (right).                                                                                                                                                                                                                                                                       | 31-41 TASK 834 |
| 31-54102*     | IOM(M004) in Right AIMS has an ARINC 629 fault on Flight Controls ARINC 629 Bus (right).                                                                                                                                                                                                                                                                      | 31-41 TASK 835 |
| 31-54107      | IOM(M004) in Left AIMS 28V DC Hot Battery Bus power is not available.                                                                                                                                                                                                                                                                                         | 31-44 TASK 853 |
| 31-54108      | IOM(M004) in Right AIMS 28V DC Hot Battery Bus power is not available.                                                                                                                                                                                                                                                                                        | 31-44 TASK 854 |
| 31-54111      | IOM(M004) in Left AIMS has a fault on AIMS Intercabinet Bus (3).                                                                                                                                                                                                                                                                                              | 31-41 TASK 836 |
| 31-54112      | IOM(M004) in Right AIMS has a fault on AIMS Intercabinet Bus (3).                                                                                                                                                                                                                                                                                             | 31-41 TASK 837 |
| 31-54117      | IOM(M004) in Left AIMS 28V DC Capt Flt Inst Bus power is not available.                                                                                                                                                                                                                                                                                       | 31-44 TASK 855 |
| 31-54118      | IOM(M004) in Right AIMS 28V DC Left Bus power is not available.                                                                                                                                                                                                                                                                                               | 31-44 TASK 856 |
| 31-54121*     | IOM(M004) in Left AIMS has an ARINC 629 fault on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                | 31-41 TASK 838 |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                            | <b>GO TO FIM TASK</b> |
|----------------------|------------------------------------------------------------------------------------------------|-----------------------|
| 31-54122*            | IOM(M004) in Right AIMS has an ARINC 629 fault on System ARINC 629 Bus (right).                | 31-41 TASK 839        |
| 31-54127             | IOM(M004) in Left AIMS 28V DC FO Flt Inst Bus power is not available.                          | 31-44 TASK 859        |
| 31-54128             | IOM(M004) in Right AIMS 28V DC Right Bus power is not available.                               | 31-44 TASK 860        |
| 31-54201             | IOM(M004) in Left AIMS has an ARINC 429 input fault on ATC-R CMC Bus (429).                    | 31-41 TASK 916        |
| 31-54202             | IOM(M004) in Right AIMS has an ARINC 429 input fault on ATC-R CMC Bus (429).                   | 31-41 TASK 917        |
| 31-54211             | IOM(M004) in Left AIMS has an ARINC 429 input fault on ATC-R XT Coord #2 Bus (429).            | 31-41 TASK 916        |
| 31-54212             | IOM(M004) in Right AIMS has an ARINC 429 input fault (Spare).                                  | 31-41 TASK 918        |
| 31-54221             | IOM(M004) in Left AIMS has an ARINC 429 input fault on HF-R CMC Report Bus (429).              | 31-41 TASK 916        |
| 31-54222             | IOM(M004) in Right AIMS has an ARINC 429 input fault on HF-R CMC Report Bus (429).             | 31-41 TASK 917        |
| 31-54231             | IOM(M004) in Left AIMS has an ARINC 429 input fault on RTP-L Bus 1 (429).                      | 31-41 TASK 916        |
| 31-54232             | IOM(M004) in Right AIMS has an ARINC 429 input fault on RTP-R Bus 1 (429).                     | 31-41 TASK 917        |
| 31-54241             | IOM(M004) in Left AIMS has an ARINC 429 input fault on Window Heat System-R Output Bus (429).  | 31-41 TASK 916        |
| 31-54242             | IOM(M004) in Right AIMS has an ARINC 429 input fault on Window Heat System-R Output Bus (429). | 31-41 TASK 917        |
| 31-54251             | IOM(M004) in Left AIMS has an ARINC 429 input fault (Spare).                                   | 31-41 TASK 918        |
| 31-54252             | IOM(M004) in Right AIMS has an ARINC 429 input fault on VHF-R CMC Input Bus (429).             | 31-41 TASK 917        |
| 31-54261             | IOM(M004) in Left AIMS has an ARINC 429 input fault (Spare).                                   | 31-41 TASK 918        |
| 31-54262             | IOM(M004) in Right AIMS has an ARINC 429 input fault on EFIS CP Output-L Bus (429).            | 31-41 TASK 917        |
| 31-54271             | IOM(M004) in Left AIMS has an ARINC 429 input fault on EFIS CP Output-R Bus (429).             | 31-41 TASK 916        |
| 31-54272             | IOM(M004) in Right AIMS has an ARINC 429 input fault on TCAS TA/RA #1 Bus (429).               | 31-41 TASK 917        |
| 31-54281*            | IOM(M004) in Left AIMS has an ARINC 429 input fault on WXR-R RT Maint. Bus (429).              | 31-41 TASK 916        |
| 31-54282*            | IOM(M004) in Right AIMS has an ARINC 429 input fault on WXR-R RT Maint. Bus (429).             | 31-41 TASK 917        |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                  | GO TO FIM TASK |
|---------------|-----------------------------------------------------------------------------------------------|----------------|
| 31-54291      | IOM(M004) in Left AIMS has an ARINC 429 input fault on VHF-R CMC Input Bus (429).             | 31-41 TASK 916 |
| 31-54292      | IOM(M004) in Right AIMS has an ARINC 429 input fault on SDU-L CFDS Bus (429).                 | 31-41 TASK 917 |
| 31-54301      | IOM(M004) in Left AIMS has an ARINC 429 input fault (Spare).                                  | 31-41 TASK 918 |
| 31-54302      | IOM(M004) in Right AIMS has an ARINC 429 input fault (Spare).                                 | 31-41 TASK 918 |
| 31-54311      | IOM(M004) in Left AIMS has an ARINC 429 input fault on TCAS TA/RA #2 Bus (429).               | 31-41 TASK 916 |
| 31-54312      | IOM(M004) in Right AIMS has an ARINC 429 input fault (Spare).                                 | 31-41 TASK 918 |
| 31-54321      | IOM(M004) in Left AIMS has an ARINC 429 input fault (Spare).                                  | 31-41 TASK 916 |
| 31-54322      | IOM(M004) in Right AIMS has an ARINC 429 input fault (Spare).                                 | 31-41 TASK 918 |
| 31-54331      | IOM(M004) in Left AIMS has an ARINC 429 input fault on MCP B Input Bus (429).                 | 31-41 TASK 916 |
| 31-54332*     | IOM(M004) in Right AIMS has an ARINC 429 input fault on RA-C Altitude #1 Bus (429).           | 31-41 TASK 917 |
| 31-54341      | IOM(M004) in Left AIMS has an ARINC 429 input fault on DME-R Distance Data #1 Bus (429).      | 31-41 TASK 916 |
| 31-54342      | IOM(M004) in Right AIMS has an ARINC 429 input fault on Autothrottle Servo Motor-R Bus (429). | 31-41 TASK 917 |
| 31-54351      | IOM(M004) in Left AIMS has an ARINC 429 input fault on GPS-R Data Bus 1 (429).                | 31-41 TASK 916 |
| 31-54352      | IOM(M004) in Right AIMS has an ARINC 429 input fault on Cursor Control Device-R Bus (429).    | 31-41 TASK 917 |
| 31-54361      | IOM(M004) in Left AIMS has an ARINC 429 input fault on ADF-R Bearing #1 Bus (429).            | 31-41 TASK 916 |
| 31-54362*     | IOM(M004) in Right AIMS has an ARINC 429 input fault on RA-L Altitude #1 Bus (429).           | 31-41 TASK 917 |
| 31-54371*     | IOM(M004) in Left AIMS has an ARINC 429 input fault on RA-C Altitude #1 Bus (429).            | 31-41 TASK 916 |
| 31-54372      | IOM(M004) in Right AIMS has an ARINC 429 input fault on ADF-R Bearing #2 Bus (429).           | 31-41 TASK 917 |
| 31-54381*     | IOM(M004) in Left AIMS has an ARINC 429 input fault on RA-L Altitude #1 Bus (429).            | 31-41 TASK 916 |
| 31-54382      | IOM(M004) in Right AIMS has an ARINC 429 input fault on DME-R Distance Data #2 Bus (429).     | 31-41 TASK 917 |
| 31-54391      | IOM(M004) in Left AIMS has an ARINC 429 input fault on SDU-L Data to CMU Bus (429).           | 31-41 TASK 916 |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                         | GO TO FIM TASK |
|---------------|------------------------------------------------------------------------------------------------------|----------------|
| 31-54392      | IOM(M004) in Right AIMS has an ARINC 429 input fault on GPS-R Data Bus 2 (429).                      | 31-41 TASK 917 |
| 31-54401      | IOM(M004) in Left AIMS has an ARINC 429 input fault on Autothrottle Servo Motor-R Bus (429).         | 31-41 TASK 916 |
| 31-54402      | IOM(M004) in Right AIMS has an ARINC 429 input fault on MCP B Input Bus (429).                       | 31-41 TASK 917 |
| 31-54411      | IOM(M004) in Left AIMS has an ARINC 429 input fault on GPWC CMC Input Bus (429).                     | 31-41 TASK 916 |
| 31-54412      | IOM(M004) in Right AIMS has an ARINC 429 input fault on GPWC CMC Input Bus (429).                    | 31-41 TASK 917 |
| 31-54421      | IOM(M004) in Left AIMS has an ARINC 429 input fault on Display Unit-Center Upper(EICAS) Bus (429).   | 31-41 TASK 916 |
| 31-54422      | IOM(M004) in Right AIMS has an ARINC 429 input fault on Display Unit-Center Upper(EICAS) Bus (429).  | 31-41 TASK 917 |
| 31-54431      | IOM(M004) in Left AIMS has an ARINC 429 input fault on Display Unit-Left Inboard(ND) Bus (429).      | 31-41 TASK 916 |
| 31-54432      | IOM(M004) in Right AIMS has an ARINC 429 input fault on Display Unit-Right Inboard(ND) Bus (429).    | 31-41 TASK 917 |
| 31-54441      | IOM(M004) in Left AIMS has an ARINC 429 input fault on VOR-R Omnibearing #1 Bus (429).               | 31-41 TASK 916 |
| 31-54442      | IOM(M004) in Right AIMS has an ARINC 429 input fault on ILS-R Output #2 Bus (429).                   | 31-41 TASK 917 |
| 31-54451      | IOM(M004) in Left AIMS has an ARINC 429 input fault on ILS-L Output #2 Bus (429).                    | 31-41 TASK 916 |
| 31-54452      | IOM(M004) in Right AIMS has an ARINC 429 input fault (Spare).                                        | 31-41 TASK 918 |
| 31-54461      | IOM(M004) in Left AIMS has an ARINC 429 input fault on Cursor Control Device-L Bus (429).            | 31-41 TASK 916 |
| 31-54462      | IOM(M004) in Right AIMS has an ARINC 429 input fault on VOR-R Omnibearing #2 Bus (429).              | 31-41 TASK 917 |
| 31-54501*     | IOM(M004) in Left AIMS has an ARINC 429 output fault on General Purpose #2 Wrap Bus (AIMS-L) (429).  | 31-43 TASK 854 |
| 31-54502*     | IOM(M004) in Right AIMS has an ARINC 429 output fault on General Purpose #2 Wrap Bus (AIMS-R) (429). | 31-43 TASK 854 |
| 31-54511      | IOM(M004) in Left AIMS has an ARINC 429 output fault (Spare).                                        | 31-43 TASK 817 |
| 31-54512      | IOM(M004) in Right AIMS has an ARINC 429 output fault on Inertial Reference Wrap Bus-R (429).        | 31-43 TASK 854 |
| 31-54521*     | IOM(M004) in Left AIMS has an ARINC 429 output fault on NAV Tuning XCabinet Right Bus (429).         | 31-43 TASK 854 |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                                                       | GO TO FIM TASK |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-54522      | IOM(M004) in Right AIMS has an ARINC 429 output fault on CMCS XCabinet Right Bus (429).                                                                                                                                                                                                                                                                                                            | 31-43 TASK 854 |
| 31-54531      | IOM(M004) in Left AIMS has an ARINC 429 output fault (Spare).                                                                                                                                                                                                                                                                                                                                      | 31-43 TASK 818 |
| 31-54532      | IOM(M004) in Right AIMS has an ARINC 429 output fault (Spare).                                                                                                                                                                                                                                                                                                                                     | 31-43 TASK 819 |
| 31-54541      | IOM(M004) in Left AIMS has an ARINC 429 output fault on CMCS Right Bus (429).                                                                                                                                                                                                                                                                                                                      | 31-43 TASK 820 |
| 31-54542*     | IOM(M004) in Right AIMS has an ARINC 429 output fault on NAV Tuning Right Bus (429).                                                                                                                                                                                                                                                                                                               | 31-43 TASK 821 |
| 31-54551      | IOM(M004) in Left AIMS has an ARINC 429 output fault.                                                                                                                                                                                                                                                                                                                                              | 31-41 TASK 979 |
| 31-54552      | IOM(M004) in Right AIMS has an ARINC 429 output fault.                                                                                                                                                                                                                                                                                                                                             | 31-41 TASK 980 |
| 31-54561      | IOM(M004) in Left AIMS has an ARINC 429 output fault.                                                                                                                                                                                                                                                                                                                                              | 31-41 TASK 979 |
| 31-54562      | IOM(M004) in Right AIMS has an ARINC 429 output fault.                                                                                                                                                                                                                                                                                                                                             | 31-41 TASK 980 |
| 31-54571      | IOM(M004) in Left AIMS has an ARINC 429 output fault.                                                                                                                                                                                                                                                                                                                                              | 31-41 TASK 979 |
| 31-54572      | IOM(M004) in Right AIMS has an ARINC 429 output fault.                                                                                                                                                                                                                                                                                                                                             | 31-41 TASK 980 |
| 31-54581      | <b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br>IOM(M004) in Left AIMS has an ARINC 429 output fault.<br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>IOM(M004) in Left AIMS has no input from IOM(M009) in Right AIMS on DCMF CVR Communication Bus (429). | 31-41 TASK 979 |
| 31-54582      | IOM(M004) in Right AIMS has an ARINC 429 output fault.                                                                                                                                                                                                                                                                                                                                             | 31-41 TASK 980 |
| 31-54591      | IOM(M004) in Left AIMS has no input from IOM(M004) in Right AIMS on CMCS XCabinet Right Bus (429).                                                                                                                                                                                                                                                                                                 | 31-43 TASK 855 |
| 31-54592*     | IOM(M004) in Right AIMS has no input from IOM(M004) in Left AIMS on NAV Tuning XCabinet Right Bus (429).                                                                                                                                                                                                                                                                                           | 31-43 TASK 855 |
| 31-54601      | IOM(M004) in Left AIMS has a discrete input fault.                                                                                                                                                                                                                                                                                                                                                 | 31-41 TASK 840 |
| 31-54602      | IOM(M004) in Right AIMS has a discrete input fault.                                                                                                                                                                                                                                                                                                                                                | 31-41 TASK 841 |
| 31-55201      | IOM(M004) in Left AIMS has a discrete output fault.                                                                                                                                                                                                                                                                                                                                                | 31-41 TASK 923 |
| 31-55202      | IOM(M004) in Right AIMS has a discrete output fault.                                                                                                                                                                                                                                                                                                                                               | 31-41 TASK 923 |
| 31-55211      | IOM(M004) in Left AIMS has a discrete output fault.                                                                                                                                                                                                                                                                                                                                                | 31-41 TASK 867 |
| 31-55212      | IOM(M004) in Right AIMS has a discrete output fault.                                                                                                                                                                                                                                                                                                                                               | 31-41 TASK 923 |
| 31-55221      | IOM(M004) in Left AIMS has a discrete output fault.                                                                                                                                                                                                                                                                                                                                                | 31-41 TASK 923 |
| 31-55222      | IOM(M004) in Right AIMS has a discrete output fault.                                                                                                                                                                                                                                                                                                                                               | 31-41 TASK 923 |
| 31-55231      | IOM(M004) in Left AIMS has a discrete output fault.                                                                                                                                                                                                                                                                                                                                                | 31-41 TASK 923 |

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| MAINT MESSAGE | MESSAGE TEXT                                                 | GO TO FIM TASK |
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| 31-55232      | IOM(M004) in Right AIMS has a discrete output fault.         | 31-41 TASK 923 |
| 31-55241      | IOM(M004) in Left AIMS has a discrete output fault.          | 31-41 TASK 828 |
| 31-55242      | IOM(M004) in Right AIMS has a discrete output fault.         | 31-41 TASK 829 |
| 31-55251      | IOM(M004) in Left AIMS has a discrete output fault.          | 31-41 TASK 830 |
| 31-55252      | IOM(M004) in Right AIMS has a discrete output fault.         | 31-41 TASK 831 |
| 31-55261      | IOM(M004) in Left AIMS has a discrete output fault.          | 31-41 TASK 923 |
| 31-55262      | IOM(M004) in Right AIMS has a discrete output fault.         | 31-41 TASK 923 |
| 31-55271      | IOM(M004) in Left AIMS has a discrete output fault.          | 31-41 TASK 923 |
| 31-55272      | IOM(M004) in Right AIMS has a discrete output fault.         | 31-41 TASK 923 |
| 31-55281      | IOM(M004) in Left AIMS has a discrete output fault.          | 31-41 TASK 868 |
| 31-55282      | IOM(M004) in Right AIMS has a discrete output fault.         | 31-41 TASK 869 |
| 31-55291      | IOM(M004) in Left AIMS has a discrete output fault.          | 31-41 TASK 870 |
| 31-55292      | IOM(M004) in Right AIMS has a discrete output fault.         | 31-41 TASK 871 |
| 31-55301      | IOM(M004) in Left AIMS has a discrete output fault.          | 31-41 TASK 923 |
| 31-55302      | IOM(M004) in Right AIMS has a discrete output fault.         | 31-41 TASK 923 |
| 31-55311      | IOM(M004) in Left AIMS has a discrete output fault.          | 31-41 TASK 923 |
| 31-55312      | IOM(M004) in Right AIMS has a discrete output fault.         | 31-41 TASK 923 |
| 31-55321      | IOM(M004) in Left AIMS has a discrete output fault.          | 31-41 TASK 963 |
| 31-55322      | IOM(M004) in Right AIMS has a discrete output fault.         | 31-41 TASK 964 |
| 31-55331      | IOM(M004) in Left AIMS has a discrete output fault.          | 31-41 TASK 965 |
| 31-55332      | IOM(M004) in Right AIMS has a discrete output fault.         | 31-41 TASK 966 |
| 31-55341      | IOM(M004) in Left AIMS has a discrete output fault.          | 31-41 TASK 923 |
| 31-55342      | IOM(M004) in Right AIMS has a discrete output fault.         | 31-41 TASK 923 |
| 31-55351      | IOM(M004) in Left AIMS has a discrete output fault.          | 31-41 TASK 911 |
| 31-55352      | IOM(M004) in Right AIMS has a discrete output fault.         | 31-41 TASK 976 |
| 31-55401*     | IOM(M004) in Left AIMS has an analog input or output fault.  | 31-41 TASK 840 |
| 31-55402*     | IOM(M004) in Right AIMS has an analog input or output fault. | 31-41 TASK 841 |
| 31-55701*     | IOM(M004) in Left AIMS has an ARINC 429 input fault.         | 31-41 TASK 840 |
| 31-55702*     | IOM(M004) in Right AIMS has an ARINC 429 input fault.        | 31-41 TASK 841 |
| 31-55711*     | IOM(M004) in Left AIMS has an ARINC 429 input fault.         | 31-41 TASK 840 |
| 31-55712*     | IOM(M004) in Right AIMS has an ARINC 429 input fault.        | 31-41 TASK 841 |
| 31-55721*     | IOM(M004) in Left AIMS has an ARINC 429 input fault.         | 31-41 TASK 840 |
| 31-55722*     | IOM(M004) in Right AIMS has an ARINC 429 input fault.        | 31-41 TASK 841 |
| 31-55731      | IOM(M004) in Left AIMS has an ARINC 429 input fault.         | 31-41 TASK 840 |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                                                                               | GO TO FIM TASK |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-55732*     | IOM(M004) in Right AIMS has an ARINC 429 input fault.                                                                                                                                                                                                                                                                                                                                                                      | 31-41 TASK 841 |
| 31-56011      | IOM(M008) in Left AIMS has an internal fault.                                                                                                                                                                                                                                                                                                                                                                              | 31-44 TASK 877 |
| 31-56012      | IOM(M008) in Right AIMS has an internal fault.                                                                                                                                                                                                                                                                                                                                                                             | 31-44 TASK 878 |
| 31-56013*     | IOM(M008) in Left AIMS has no output on the AIMS Backplane.                                                                                                                                                                                                                                                                                                                                                                | 31-43 TASK 870 |
| 31-56014*     | IOM(M008) in Right AIMS has no output on the AIMS Backplane.                                                                                                                                                                                                                                                                                                                                                               | 31-43 TASK 871 |
| 31-56015      | IOM(M008) in Left AIMS has an internal data bus fault.                                                                                                                                                                                                                                                                                                                                                                     | 31-44 TASK 849 |
| 31-56016      | IOM(M008) in Right AIMS has an internal data bus fault.                                                                                                                                                                                                                                                                                                                                                                    | 31-44 TASK 850 |
| 31-56025      | CPM/GG (M010) in Left AIMS has an internal hardware power fault.                                                                                                                                                                                                                                                                                                                                                           | 31-44 TASK 896 |
| 31-56026      | CPM/GG (M010) in Right AIMS has an internal hardware power fault.                                                                                                                                                                                                                                                                                                                                                          | 31-44 TASK 897 |
| 31-56101      | IOM(M008) in Left AIMS has a fault on Intercabinet Bus (4).                                                                                                                                                                                                                                                                                                                                                                | 31-41 TASK 844 |
| 31-56102*     | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>IOM(M008) in Right AIMS has an ARINC 629 fault on Flight Controls ARINC 629 Bus (Center).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>IOM(M008) in Right AIMS has an ARINC 629 fault on Flight Controls ARINC 629 Bus (center). | 31-41 TASK 845 |
| 31-56103      | <b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>IOM(M008) in Left AIMS has an ARINC 629 fault on Flight Controls ARINC 629 Bus (Left).<br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>IOM(M008) in Left AIMS has an ARINC 629 fault on Flight Controls ARINC 629 Bus (left).       | 31-41 TASK 990 |
| 31-56104*     | IOM(M008) in Right AIMS has an ARINC 629 fault on Flight Controls ARINC 629 Bus (Center).                                                                                                                                                                                                                                                                                                                                  | 31-45 TASK 811 |
| 31-56107      | IOM(M008) in Left AIMS 28V DC Hot Battery Bus power is not available.                                                                                                                                                                                                                                                                                                                                                      | 31-44 TASK 853 |
| 31-56108      | IOM(M008) in Right AIMS 28V DC Hot Battery Bus power is not available.                                                                                                                                                                                                                                                                                                                                                     | 31-44 TASK 854 |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                                                                         | GO TO FIM TASK |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-56111*     | <b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>IOM(M008) in Left AIMS has an ARINC 629 fault on Flight Controls ARINC 629 Bus (Left).<br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>IOM(M008) in Left AIMS has an ARINC 629 fault on Flight Controls ARINC 629 Bus (left). | 31-41 TASK 846 |
| 31-56112      | IOM(M008) in Right AIMS has a fault on AIMS Intercabinet Bus (2).                                                                                                                                                                                                                                                                                                                                                    | 31-41 TASK 847 |
| 31-56113      | IOM(M008) in Left AIMS has a fault on intercabinet Bus (4).                                                                                                                                                                                                                                                                                                                                                          | 31-41 TASK 991 |
| 31-56114      | IOM(M008) in Right AIMS has a fault on intercabinet Bus (2).                                                                                                                                                                                                                                                                                                                                                         | 31-45 TASK 810 |
| 31-56117      | IOM(M008) in Left AIMS 28V DC Capt Flt Inst Bus power is not available.                                                                                                                                                                                                                                                                                                                                              | 31-44 TASK 861 |
| 31-56118      | IOM(M008) in Right AIMS 28V DC Left Bus power is not available.                                                                                                                                                                                                                                                                                                                                                      | 31-44 TASK 862 |
| 31-56121      | IOM(M008) in Left AIMS has an ARINC 629 fault on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                                                                                    | 31-41 TASK 848 |
| 31-56122      | IOM(M008) in Right AIMS has an ARINC 629 fault on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                                                                                   | 31-41 TASK 849 |
| 31-56127      | IOM(M008) in Left AIMS 28V DC FO Flt Inst Bus power is not available.                                                                                                                                                                                                                                                                                                                                                | 31-44 TASK 857 |
| 31-56128      | IOM(M008) in Right AIMS 28V DC Right Bus power is not available.                                                                                                                                                                                                                                                                                                                                                     | 31-44 TASK 858 |
| 31-56201      | IOM(M008) in Left AIMS has an ARINC 429 input fault on RTP-C Bus 1 (429).                                                                                                                                                                                                                                                                                                                                            | 31-41 TASK 919 |
| 31-56202      | IOM(M008) in Right AIMS has an ARINC 429 input fault on RTP-C Bus 1 (429).                                                                                                                                                                                                                                                                                                                                           | 31-41 TASK 920 |
| 31-56211      | IOM(M008) in Left AIMS has an ARINC 429 input fault (Spare).                                                                                                                                                                                                                                                                                                                                                         | 31-41 TASK 919 |
| 31-56212      | IOM(M008) in Right AIMS has an ARINC 429 input fault on Printer Output Bus (429).                                                                                                                                                                                                                                                                                                                                    | 31-41 TASK 918 |
| 31-56221      | IOM(M008) in Left AIMS has an ARINC 429 input fault (Spare).                                                                                                                                                                                                                                                                                                                                                         | 31-41 TASK 918 |
| 31-56222      | IOM(M008) in Right AIMS has an ARINC 429 input fault (Spare).                                                                                                                                                                                                                                                                                                                                                        | 31-41 TASK 918 |
| 31-56231      | IOM(M008) in Left AIMS has an ARINC 429 input fault on ILS-R Output #2 Bus (429).                                                                                                                                                                                                                                                                                                                                    | 31-41 TASK 919 |
| 31-56232      | IOM(M008) in Right AIMS has an ARINC 429 input fault on VHF-C CMC Input Bus (429).                                                                                                                                                                                                                                                                                                                                   | 31-41 TASK 920 |
| 31-56241      | IOM(M008) in Left AIMS has an ARINC 429 input fault on VHF-C CMC Input Bus (429).                                                                                                                                                                                                                                                                                                                                    | 31-41 TASK 919 |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                | <b>GO TO FIM TASK</b> |
|----------------------|----------------------------------------------------------------------------------------------------|-----------------------|
| 31-56242             | IOM(M008) in Right AIMS has an ARINC 429 input fault on Standby Airspeed CMC Bus (429).            | 31-41 TASK 920        |
| 31-56251             | IOM(M008) in Left AIMS has an ARINC 429 input fault on Standby Airspeed CMC Bus (429).             | 31-41 TASK 919        |
| 31-56252             | IOM(M008) in Right AIMS has an ARINC 429 input fault on Standby Altitude CMC Bus (429).            | 31-41 TASK 920        |
| 31-56261             | IOM(M008) in Left AIMS has an ARINC 429 input fault on Display Unit-Right Outboard(PFD) Bus (429). | 31-41 TASK 919        |
| 31-56262             | IOM(M008) in Right AIMS has an ARINC 429 input fault (Spare).                                      | 31-41 TASK 918        |
| 31-56271             | IOM(M008) in Left AIMS has an ARINC 429 input fault (Spare).                                       | 31-41 TASK 919        |
| 31-56272             | IOM(M008) in Right AIMS has an ARINC 429 input fault on Display Unit-Left Outboard(PFD) Bus (429). | 31-41 TASK 920        |
| 31-56281             | IOM(M008) in Left AIMS has an ARINC 429 input fault on Standby Altitude CMC Bus (429).             | 31-41 TASK 919        |
| 31-56282             | IOM(M008) in Right AIMS has an ARINC 429 input fault on Standby Attitude CMC Bus (429).            | 31-41 TASK 920        |
| 31-56291             | IOM(M008) in Left AIMS has an ARINC 429 input fault on Standby Attitude CMC Bus (429).             | 31-41 TASK 919        |
| 31-56292             | IOM(M008) in Right AIMS has an ARINC 429 input fault on Cursor Control Device-L Bus (429).         | 31-41 TASK 918        |
| 31-56301             | IOM(M008) in Left AIMS has an ARINC 429 input fault on Cursor Control Device-R Bus (429).          | 31-41 TASK 918        |
| 31-56302             | IOM(M008) in Right AIMS has an ARINC 429 input fault (Spare).                                      | 31-41 TASK 920        |
| 31-56311             | IOM(M008) in Left AIMS has an ARINC 429 input fault on Printer Output Bus (429).                   | 31-41 TASK 918        |
| 31-56312             | IOM(M008) in Right AIMS has an ARINC 429 input fault (Spare).                                      | 31-41 TASK 920        |
| 31-56321             | IOM(M008) in Left AIMS has an ARINC 429 input fault (Spare).                                       | 31-41 TASK 919        |
| 31-56322             | IOM(M008) in Right AIMS has an ARINC 429 input fault (Spare).                                      | 31-41 TASK 918        |
| 31-56331             | IOM(M008) in Left AIMS has an ARINC 429 input fault on RA-R Altitude #1 Bus (429).                 | 31-41 TASK 919        |
| 31-56332             | IOM(M008) in Right AIMS has an ARINC 429 input fault on ADF-L Bearing #2 Bus (429).                | 31-41 TASK 920        |
| 31-56341             | IOM(M008) in Left AIMS has an ARINC 429 input fault on GPS-L Data Bus 1 (429).                     | 31-41 TASK 919        |
| 31-56342             | IOM(M008) in Right AIMS has an ARINC 429 input fault on Autothrottle Servo Motor-L Bus (429).      | 31-41 TASK 920        |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                        | GO TO FIM TASK |
|---------------|-----------------------------------------------------------------------------------------------------|----------------|
| 31-56351      | IOM(M008) in Left AIMS has an ARINC 429 input fault on Display Unit-Left Outboard(PFD) Bus (429).   | 31-41 TASK 919 |
| 31-56352      | IOM(M008) in Right AIMS has an ARINC 429 input fault on GPS-L Data Bus 2 (429).                     | 31-41 TASK 920 |
| 31-56361      | IOM(M008) in Left AIMS has an ARINC 429 input fault on Autothrottle Servo Motor-L Bus (429).        | 31-41 TASK 919 |
| 31-56362      | IOM(M008) in Right AIMS has an ARINC 429 input fault on DME-L Distance Data #2 Bus (429).           | 31-41 TASK 920 |
| 31-56371      | IOM(M008) in Left AIMS has an ARINC 429 input fault on ADF-L Bearing #1 Bus (429).                  | 31-41 TASK 919 |
| 31-56372      | IOM(M008) in Right AIMS has an ARINC 429 input fault on ILS-C Output #2 Bus (429).                  | 31-41 TASK 920 |
| 31-56381      | IOM(M008) in Left AIMS has an ARINC 429 input fault on DME-L Distance Data #1 Bus (429).            | 31-41 TASK 919 |
| 31-56382      | IOM(M008) in Right AIMS has an ARINC 429 input fault (Spare).                                       | 31-41 TASK 918 |
| 31-56391      | IOM(M008) in Left AIMS has an ARINC 429 input fault on TCAS TA/RA #1 Bus (429).                     | 31-41 TASK 919 |
| 31-56392      | IOM(M008) in Right AIMS has an ARINC 429 input fault on TCAS TA/RA #2 Bus (429).                    | 31-41 TASK 920 |
| 31-56401      | IOM(M008) in Left AIMS has an ARINC 429 input fault on MCP A Input Bus (429).                       | 31-41 TASK 919 |
| 31-56402      | IOM(M008) in Right AIMS has an ARINC 429 input fault on MCP A Input Bus (429).                      | 31-41 TASK 920 |
| 31-56411      | IOM(M008) in Left AIMS has an ARINC 429 input fault on ILS-C Output #2 Bus (429).                   | 31-41 TASK 919 |
| 31-56412      | IOM(M008) in Right AIMS has an ARINC 429 input fault on VOR-L Omnibearing #2 Bus (429).             | 31-41 TASK 920 |
| 31-56421      | IOM(M008) in Left AIMS has an ARINC 429 input fault on Display Unit-Center Lower(MFD) Bus (429).    | 31-41 TASK 919 |
| 31-56422      | IOM(M008) in Right AIMS has an ARINC 429 input fault on Display Unit-Right Outboard(PFD) Bus (429). | 31-41 TASK 920 |
| 31-56431      | IOM(M008) in Left AIMS has an ARINC 429 input fault on EFIS CP Output-L Bus (429).                  | 31-41 TASK 919 |
| 31-56432      | IOM(M008) in Right AIMS has an ARINC 429 input fault on EFIS CP Output-R Bus (429).                 | 31-41 TASK 920 |
| 31-56441      | IOM(M008) in Left AIMS has an ARINC 429 input fault (Spare).                                        | 31-41 TASK 918 |
| 31-56442      | IOM(M008) in Right AIMS has an ARINC 429 input fault on RA-R Altitude #1 Bus (429).                 | 31-41 TASK 920 |
| 31-56451      | IOM(M008) in Left AIMS has an ARINC 429 input fault (Spare).                                        | 31-41 TASK 918 |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                       | <b>GO TO FIM TASK</b> |
|----------------------|-----------------------------------------------------------------------------------------------------------|-----------------------|
| 31-56452             | IOM(M008) in Right AIMS has an ARINC 429 input fault on Display Unit-Center Lower(MFD) Bus (429).         | 31-41 TASK 920        |
| 31-56461             | IOM(M008) in Left AIMS has an ARINC 429 input fault on VOR-L Omnibearing #1 Bus (429).                    | 31-41 TASK 919        |
| 31-56462             | IOM(M008) in Right AIMS has an ARINC 429 input fault on SDU-L Data to CMU Bus (429).                      | 31-41 TASK 920        |
| 31-56501             | IOM(M008) in Left AIMS has an ARINC 429 output fault on General Purpose #3 XCabinet AIMS-R Bus (429).     | 31-43 TASK 854        |
| 31-56502             | IOM(M008) in Right AIMS has an ARINC 429 output fault on General Purpose #3 XCabinet AIMS-L Bus (429).    | 31-43 TASK 854        |
| 31-56511             | IOM(M008) in Left AIMS has an ARINC 429 output fault on Data Load Bus-L (429).                            | 31-43 TASK 822        |
| 31-56512             | IOM(M008) in Right AIMS has an ARINC 429 output fault on Data Load Bus-R (429).                           | 31-43 TASK 823        |
| 31-56521*            | IOM(M008) in Left AIMS has an ARINC 429 output fault on NAV Tuning XCabinet Center Bus (429).             | 31-43 TASK 854        |
| 31-56522             | IOM(M008) in Right AIMS has an ARINC 429 output fault on CMCS XCabinet Center Bus (429).                  | 31-43 TASK 854        |
| 31-56531             | IOM(M008) in Left AIMS has an ARINC 429 output fault on Inertial Reference Bus-L (429).                   | 31-43 TASK 824        |
| 31-56532             | IOM(M008) in Right AIMS has an ARINC 429 output fault on Inertial Reference Bus-R (429).                  | 31-43 TASK 825        |
| 31-56541             | IOM(M008) in Left AIMS has an ARINC 429 output fault on CMCS Center Bus (429).                            | 31-43 TASK 826        |
| 31-56542*            | IOM(M008) in Right AIMS has an ARINC 429 output fault on NAV Tuning Center Bus (429).                     | 31-43 TASK 827        |
| 31-56551             | IOM(M008) in Left AIMS has an ARINC 429 output fault.                                                     | 31-41 TASK 981        |
| 31-56552             | IOM(M008) in Right AIMS has an ARINC 429 output fault.                                                    | 31-41 TASK 982        |
| 31-56561             | IOM(M008) in Left AIMS has an ARINC 429 output fault.                                                     | 31-41 TASK 981        |
| 31-56562             | IOM(M008) in Right AIMS has an ARINC 429 output fault.                                                    | 31-41 TASK 982        |
| 31-56571             | IOM(M008) in Left AIMS has an ARINC 429 output fault.                                                     | 31-41 TASK 981        |
| 31-56572             | IOM(M008) in Right AIMS has an ARINC 429 output fault.                                                    | 31-41 TASK 982        |
| 31-56581             | IOM(M008) in Left AIMS has no input from IOM(M009) in Left AIMS on Inertial Reference Wrap Bus-L (429).   | 31-43 TASK 855        |
| 31-56582             | IOM(M008) in Right AIMS has no input from IOM(M004) in Right AIMS on Inertial Reference Wrap Bus-R (429). | 31-43 TASK 855        |
| 31-56591             | IOM(M008) in Left AIMS has no input from IOM(M008) in Right AIMS on CMCS XCabinet Center Bus (429).       | 31-43 TASK 855        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                       | <b>GO TO FIM TASK</b> |
|----------------------|-----------------------------------------------------------------------------------------------------------|-----------------------|
| 31-56592*            | IOM(M008) in Right AIMS has no input from IOM(M008) in Left AIMS on NAV Tuning XCabinet Center Bus (429). | 31-43 TASK 855        |
| 31-56601             | IOM(M008) in Left AIMS has a discrete input fault.                                                        | 31-41 TASK 842        |
| 31-56602             | IOM(M008) in Right AIMS has a discrete input fault.                                                       | 31-41 TASK 843        |
| 31-57201             | IOM(M008) in Left AIMS has a discrete output fault.                                                       | 31-41 TASK 872        |
| 31-57202             | IOM(M008) in Right AIMS has a discrete output fault.                                                      | 31-41 TASK 873        |
| 31-57211             | IOM(M008) in Left AIMS has a discrete output fault.                                                       | 31-41 TASK 923        |
| 31-57212             | IOM(M008) in Right AIMS has a discrete output fault.                                                      | 31-41 TASK 923        |
| 31-57221             | IOM(M008) in Left AIMS has a discrete output fault.                                                       | 31-41 TASK 874        |
| 31-57222             | IOM(M008) in Right AIMS has a discrete output fault.                                                      | 31-41 TASK 923        |
| 31-57231             | IOM(M008) in Left AIMS has a discrete output fault.                                                       | 31-41 TASK 912        |
| 31-57232             | IOM(M008) in Right AIMS has a discrete output fault.                                                      | 31-41 TASK 913        |
| 31-57241             | IOM(M008) in Left AIMS has a discrete output fault.                                                       | 31-41 TASK 923        |
| 31-57242             | IOM(M008) in Right AIMS has a discrete output fault.                                                      | 31-41 TASK 923        |
| 31-57251             | IOM(M008) in Left AIMS has a discrete output fault.                                                       | 31-41 TASK 850        |
| 31-57252             | IOM(M008) in Right AIMS has a discrete output fault.                                                      | 31-41 TASK 851        |
| 31-57261             | IOM(M008) in Left AIMS has a discrete output fault.                                                       | 31-41 TASK 875        |
| 31-57262             | IOM(M008) in Right AIMS has a discrete output fault.                                                      | 31-41 TASK 923        |
| 31-57271             | IOM(M008) in Left AIMS has a discrete output fault.                                                       | 31-41 TASK 928        |
| 31-57272             | IOM(M008) in Right AIMS has a discrete output fault.                                                      | 31-41 TASK 929        |
| 31-57281             | IOM(M008) in Left AIMS has a discrete output fault.                                                       | 31-41 TASK 923        |
| 31-57282             | IOM(M008) in Right AIMS has a discrete output fault.                                                      | 31-41 TASK 923        |
| 31-57291             | IOM(M008) in Left AIMS has a discrete output fault.                                                       | 31-41 TASK 924        |
| 31-57292             | IOM(M008) in Right AIMS has a discrete output fault.                                                      | 31-41 TASK 925        |
| 31-57301             | IOM(M008) in Left AIMS has a discrete output fault.                                                       | 31-41 TASK 923        |
| 31-57302             | IOM(M008) in Right AIMS has a discrete output fault.                                                      | 31-41 TASK 923        |
| 31-57311             | IOM(M008) in Left AIMS has a discrete output fault.                                                       | 31-41 TASK 876        |
| 31-57312             | IOM(M008) in Right AIMS has a discrete output fault.                                                      | 31-41 TASK 923        |
| 31-57321             | IOM(M008) in Left AIMS has a discrete output fault.                                                       | 31-41 TASK 926        |
| 31-57322             | IOM(M008) in Right AIMS has a discrete output fault.                                                      | 31-41 TASK 927        |
| 31-57331             | IOM(M008) in Left AIMS has a discrete output fault.                                                       | 31-41 TASK 877        |
| 31-57332             | IOM(M008) in Right AIMS has a discrete output fault.                                                      | 31-41 TASK 878        |
| 31-57341             | IOM(M008) in Left AIMS has a discrete output fault.                                                       | 31-41 TASK 923        |
| 31-57342             | IOM(M008) in Right AIMS has a discrete output fault.                                                      | 31-41 TASK 923        |
| 31-57351             | IOM(M008) in Left AIMS has a discrete output fault.                                                       | 31-41 TASK 879        |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                 | GO TO FIM TASK |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-57352      | IOM(M008) in Right AIMS has a discrete output fault.                                                                                                                                                                                                                                                                                                         | 31-41 TASK 930 |
| 31-57401      | IOM(M008) in Left AIMS has an analog input or output fault.                                                                                                                                                                                                                                                                                                  | 31-41 TASK 842 |
| 31-57402      | IOM(M008) in Right AIMS has an analog input or output fault.                                                                                                                                                                                                                                                                                                 | 31-41 TASK 843 |
| 31-57701*     | IOM(M008) in Left AIMS has an ARINC 429 input fault.                                                                                                                                                                                                                                                                                                         | 31-41 TASK 842 |
| 31-57702      | IOM(M008) in Right AIMS has an ARINC 429 input fault.                                                                                                                                                                                                                                                                                                        | 31-41 TASK 843 |
| 31-57711*     | IOM(M008) in Left AIMS has an ARINC 429 input fault.                                                                                                                                                                                                                                                                                                         | 31-41 TASK 842 |
| 31-57712      | IOM(M008) in Right AIMS has an ARINC 429 input fault.                                                                                                                                                                                                                                                                                                        | 31-41 TASK 843 |
| 31-57721      | IOM(M008) in Left AIMS has an ARINC 429 input fault.                                                                                                                                                                                                                                                                                                         | 31-41 TASK 842 |
| 31-57722*     | IOM(M008) in Right AIMS has an ARINC 429 input fault.                                                                                                                                                                                                                                                                                                        | 31-41 TASK 843 |
| 31-57731      | IOM(M008) in Left AIMS has an ARINC 429 input fault.                                                                                                                                                                                                                                                                                                         | 31-41 TASK 842 |
| 31-57732*     | IOM(M008) in Right AIMS has an ARINC 429 input fault.                                                                                                                                                                                                                                                                                                        | 31-41 TASK 843 |
| 31-58011      | IOM(M009) in Left AIMS has an internal fault.                                                                                                                                                                                                                                                                                                                | 31-44 TASK 879 |
| 31-58012      | IOM(M009) in Right AIMS has an internal fault.                                                                                                                                                                                                                                                                                                               | 31-44 TASK 880 |
| 31-58013*     | IOM(M009) in Left AIMS has no output on the AIMS Backplane.                                                                                                                                                                                                                                                                                                  | 31-43 TASK 872 |
| 31-58014*     | IOM(M009) in Right AIMS has no output on the AIMS Backplane.                                                                                                                                                                                                                                                                                                 | 31-43 TASK 873 |
| 31-58015      | IOM(M009) in Left AIMS has an internal data bus fault.                                                                                                                                                                                                                                                                                                       | 31-44 TASK 851 |
| 31-58016      | IOM(M009) in Right AIMS has an internal data bus fault.                                                                                                                                                                                                                                                                                                      | 31-44 TASK 852 |
| 31-58017      | IOM(M009) in Left AIMS has an internal hardware power fault.                                                                                                                                                                                                                                                                                                 | 31-44 TASK 906 |
| 31-58018      | <b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br>IOM(M009) in Right AIMS has an internal data bus fault.<br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>IOM(M009) in Right AIMS has an internal hardware power fault. | 31-44 TASK 907 |
| 31-58101*     | IOM(M009) in Left AIMS has an ARINC 629 fault on Flight Controls ARINC 629 Bus (left).                                                                                                                                                                                                                                                                       | 31-41 TASK 852 |
| 31-58102*     | IOM(M009) in Right AIMS has an ARINC 629 fault on Flight Controls ARINC 629 Bus (left).                                                                                                                                                                                                                                                                      | 31-41 TASK 853 |
| 31-58107      | IOM(M009) in Left AIMS 28V DC Hot Battery Bus power is not available.                                                                                                                                                                                                                                                                                        | 31-44 TASK 853 |
| 31-58108      | IOM(M009) in Right AIMS 28V DC Hot Battery Bus power is not available.                                                                                                                                                                                                                                                                                       | 31-44 TASK 854 |
| 31-58111      | IOM(M009) in Left AIMS has a fault on AIMS Intercabinet Bus (1).                                                                                                                                                                                                                                                                                             | 31-41 TASK 854 |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                            | <b>GO TO FIM TASK</b> |
|----------------------|------------------------------------------------------------------------------------------------|-----------------------|
| 31-58112             | IOM(M009) in Right AIMS has a fault on AIMS Intercabinet Bus (1).                              | 31-41 TASK 855        |
| 31-58117             | IOM(M009) in Left AIMS 28V DC Capt Flt Inst Bus power is not available.                        | 31-44 TASK 861        |
| 31-58118             | IOM(M009) in Right AIMS 28V DC Left Bus power is not available.                                | 31-44 TASK 862        |
| 31-58121*            | IOM(M009) in Left AIMS has an ARINC 629 fault on System ARINC 629 Bus (left).                  | 31-41 TASK 856        |
| 31-58122*            | IOM(M009) in Right AIMS has an ARINC 629 fault on System ARINC 629 Bus (left).                 | 31-41 TASK 857        |
| 31-58127             | IOM(M009) in Left AIMS 28V DC FO Flt Inst Bus power is not available.                          | 31-44 TASK 859        |
| 31-58128             | IOM(M009) in Right AIMS 28V DC Right Bus power is not available.                               | 31-44 TASK 860        |
| 31-58201             | IOM(M009) in Left AIMS has an ARINC 429 input fault on HF-L CMC Report Bus (429).              | 31-41 TASK 921        |
| 31-58202             | IOM(M009) in Right AIMS has an ARINC 429 input fault on HF-L CMC Report Bus (429).             | 31-41 TASK 922        |
| 31-58211             | IOM(M009) in Left AIMS has an ARINC 429 input fault on Cursor Control Device-R Bus (429).      | 31-41 TASK 921        |
| 31-58212             | IOM(M009) in Right AIMS has an ARINC 429 input fault on Cursor Control Device-L Bus (429).     | 31-41 TASK 922        |
| 31-58221             | IOM(M009) in Left AIMS has an ARINC 429 input fault on TCAS CMCS Bus (429).                    | 31-41 TASK 921        |
| 31-58222             | IOM(M009) in Right AIMS has an ARINC 429 input fault on TCAS CMCS Bus (429).                   | 31-41 TASK 922        |
| 31-58231             | IOM(M009) in Left AIMS has an ARINC 429 input fault on Window Heat System-L Output Bus.        | 31-41 TASK 918        |
| 31-58232             | IOM(M009) in Right AIMS has an ARINC 429 input fault on ATC-L CMC Bus (429).                   | 31-41 TASK 922        |
| 31-58241             | IOM(M009) in Left AIMS has an ARINC 429 input fault on Window Heat System-L Output Bus (429).  | 31-41 TASK 921        |
| 31-58242             | IOM(M009) in Right AIMS has an ARINC 429 input fault on Window Heat System-L Output Bus (429). | 31-41 TASK 922        |
| 31-58251*            | IOM(M009) in Left AIMS has an ARINC 429 input fault on WXR-L RT Maint. Bus (429).              | 31-41 TASK 921        |
| 31-58252*            | IOM(M009) in Right AIMS has an ARINC 429 input fault on WXR-L RT Maint. Bus (429).             | 31-41 TASK 922        |
| 31-58261             | IOM(M009) in Left AIMS has an ARINC 429 input fault (Spare).                                   | 31-41 TASK 921        |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                      | GO TO FIM TASK |
|---------------|---------------------------------------------------------------------------------------------------|----------------|
| 31-58262      | IOM(M009) in Right AIMS has an ARINC 429 input fault on Cabin ACARS Bus (429).                    | 31-41 TASK 922 |
| 31-58271      | IOM(M009) in Left AIMS has an ARINC 429 input fault (Spare).                                      | 31-41 TASK 918 |
| 31-58272      | IOM(M009) in Right AIMS has an ARINC 429 input fault on VHF-L CMC Input Bus (429).                | 31-41 TASK 922 |
| 31-58281      | IOM(M009) in Left AIMS has an ARINC 429 input fault on ATC-L CMC Bus (429).                       | 31-41 TASK 921 |
| 31-58282      | IOM(M009) in Right AIMS has an ARINC 429 input fault on ILS-L Output #2 Bus (429).                | 31-41 TASK 922 |
| 31-58291      | IOM(M009) in Left AIMS has an ARINC 429 input fault on VHF-L CMC Input Bus (429).                 | 31-41 TASK 921 |
| 31-58292      | IOM(M009) in Right AIMS has an ARINC 429 input fault (Spare).                                     | 31-41 TASK 918 |
| 31-58301      | IOM(M009) in Left AIMS has an ARINC 429 input fault on Printer Output Bus (429).                  | 31-41 TASK 921 |
| 31-58302      | IOM(M009) in Right AIMS has an ARINC 429 input fault on Printer Output Bus (429).                 | 31-41 TASK 922 |
| 31-58311      | IOM(M009) in Left AIMS has an ARINC 429 input fault on Cabin ACARS Bus (429).                     | 31-41 TASK 921 |
| 31-58312      | IOM(M009) in Right AIMS has an ARINC 429 input fault (Spare).                                     | 31-41 TASK 922 |
| 31-58321      | IOM(M009) in Left AIMS has an ARINC 429 input fault on SDU-R Data to CMU Bus (429).               | 31-41 TASK 918 |
| 31-58322      | IOM(M009) in Right AIMS has an ARINC 429 input fault on ATC-L XT Coord #1 Bus (429).              | 31-41 TASK 922 |
| 31-58331*     | IOM(M009) in Left AIMS has an ARINC 429 input fault on RA-R Altitude #1 Bus (429).                | 31-41 TASK 921 |
| 31-58332      | IOM(M009) in Right AIMS has an ARINC 429 input fault on ADF-L Bearing #2 Bus (429).               | 31-41 TASK 922 |
| 31-58341      | IOM(M009) in Left AIMS has an ARINC 429 input fault on GPS-L Data Bus 1 (429).                    | 31-41 TASK 921 |
| 31-58342      | IOM(M009) in Right AIMS has an ARINC 429 input fault on Autothrottle Servo Motor-L Bus (429).     | 31-41 TASK 922 |
| 31-58351      | IOM(M009) in Left AIMS has an ARINC 429 input fault on Display Unit-Left Outboard(PFD) Bus (429). | 31-41 TASK 921 |
| 31-58352      | IOM(M009) in Right AIMS has an ARINC 429 input fault on GPS-L Data Bus 2 (429).                   | 31-41 TASK 922 |
| 31-58361      | IOM(M009) in Left AIMS has an ARINC 429 input fault on Autothrottle Servo Motor-L Bus (429).      | 31-41 TASK 921 |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                        | GO TO FIM TASK |
|---------------|-----------------------------------------------------------------------------------------------------|----------------|
| 31-58362      | IOM(M009) in Right AIMS has an ARINC 429 input fault on DME-L Distance Data #2 Bus (429).           | 31-41 TASK 922 |
| 31-58371      | IOM(M009) in Left AIMS has an ARINC 429 input fault on ADF-L Bearing #1 Bus (429).                  | 31-41 TASK 921 |
| 31-58372      | IOM(M009) in Right AIMS has an ARINC 429 input fault on ILS-C Output #2 Bus (429).                  | 31-41 TASK 922 |
| 31-58381      | IOM(M009) in Left AIMS has an ARINC 429 input fault on DME-L Distance Data #1 Bus (429).            | 31-41 TASK 921 |
| 31-58382      | IOM(M009) in Right AIMS has an ARINC 429 input fault (Spare).                                       | 31-41 TASK 918 |
| 31-58391      | IOM(M009) in Left AIMS has an ARINC 429 input fault on TCAS TA/RA #1 Bus (429).                     | 31-41 TASK 921 |
| 31-58392      | IOM(M009) in Right AIMS has an ARINC 429 input fault on TCAS TA/RA #2 Bus (429).                    | 31-41 TASK 922 |
| 31-58401      | IOM(M009) in Left AIMS has an ARINC 429 input fault on MCP A Input Bus (429).                       | 31-41 TASK 921 |
| 31-58402      | IOM(M009) in Right AIMS has an ARINC 429 input fault on MCP A Input Bus (429).                      | 31-41 TASK 922 |
| 31-58411      | IOM(M009) in Left AIMS has an ARINC 429 input fault on ILS-C Output #2 Bus (429).                   | 31-41 TASK 921 |
| 31-58412      | IOM(M009) in Right AIMS has an ARINC 429 input fault on VOR-L Omnibearing #2 Bus (429).             | 31-41 TASK 922 |
| 31-58421      | IOM(M009) in Left AIMS has an ARINC 429 input fault on Display Unit-Center Lower(MFD) Bus (429).    | 31-41 TASK 921 |
| 31-58422      | IOM(M009) in Right AIMS has an ARINC 429 input fault on Display Unit-Right Outboard(PFD) Bus (429). | 31-41 TASK 922 |
| 31-58431      | IOM(M009) in Left AIMS has an ARINC 429 input fault on EFIS CP Output-L Bus (429).                  | 31-41 TASK 921 |
| 31-58432      | IOM(M009) in Right AIMS has an ARINC 429 input fault on EFIS CP Output-R Bus (429).                 | 31-41 TASK 922 |
| 31-58441      | IOM(M009) in Left AIMS has an ARINC 429 input fault (Spare).                                        | 31-41 TASK 918 |
| 31-58442*     | IOM(M009) in Right AIMS has an ARINC 429 input fault on RA-R Altitude #1 Bus (429).                 | 31-41 TASK 922 |
| 31-58451      | IOM(M009) in Left AIMS has an ARINC 429 input fault (Spare).                                        | 31-41 TASK 918 |
| 31-58452      | IOM(M009) in Right AIMS has an ARINC 429 input fault on Display Unit-Center Lower(MFD) Bus (429).   | 31-41 TASK 922 |
| 31-58461      | IOM(M009) in Left AIMS has an ARINC 429 input fault on VOR-L Omnibearing #1 Bus (429).              | 31-41 TASK 921 |
| 31-58462      | IOM(M009) in Right AIMS has an ARINC 429 input fault on SDU-L Data to CMU Bus (429).                | 31-41 TASK 922 |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                     | <b>GO TO FIM TASK</b> |
|----------------------|---------------------------------------------------------------------------------------------------------|-----------------------|
| 31-58501             | IOM(M009) in Left AIMS has an ARINC 429 output fault (Spare).                                           | 31-43 TASK 828        |
| 31-58502             | IOM(M009) in Right AIMS has an ARINC 429 output fault (Spare).                                          | 31-43 TASK 829        |
| 31-58511             | IOM(M009) in Left AIMS has an ARINC 429 output fault on Inertial Reference Wrap Bus-L (429).            | 31-43 TASK 854        |
| 31-58512             | IOM(M009) in Right AIMS has an ARINC 429 output fault (Spare).                                          | 31-43 TASK 830        |
| 31-58521*            | IOM(M009) in Left AIMS has an ARINC 429 output fault on NAV Tuning XCabinet Left Bus (429).             | 31-43 TASK 854        |
| 31-58522             | IOM(M009) in Right AIMS has an ARINC 429 output fault on CMCS XCabinet Left Bus (429).                  | 31-43 TASK 854        |
| 31-58531             | IOM(M009) in Left AIMS has an ARINC 429 output fault on DCMF-L Data Bus (429).                          | 31-43 TASK 831        |
| 31-58532             | IOM(M009) in Right AIMS has an ARINC 429 output fault on DCMF-R Data Bus (429).                         | 31-43 TASK 832        |
| 31-58541             | IOM(M009) in Left AIMS has an ARINC 429 output fault on CMCS Left Bus (429).                            | 31-43 TASK 833        |
| 31-58542*            | IOM(M009) in Right AIMS has an ARINC 429 output fault on NAV Tuning Left Bus (429).                     | 31-43 TASK 834        |
| 31-58551             | IOM(M009) in Left AIMS has an ARINC 429 output fault.                                                   | 31-41 TASK 983        |
| 31-58552             | IOM(M009) in Right AIMS has an ARINC 429 output fault.                                                  | 31-41 TASK 984        |
| 31-58561             | IOM(M009) in Left AIMS has an ARINC 429 output fault.                                                   | 31-41 TASK 983        |
| 31-58562             | IOM(M009) in Right AIMS has an ARINC 429 output fault.                                                  | 31-41 TASK 984        |
| 31-58571             | IOM(M009) in Left AIMS has an ARINC 429 output fault.                                                   | 31-41 TASK 983        |
| 31-58572             | IOM(M009) in Right AIMS has an ARINC 429 output fault.                                                  | 31-41 TASK 984        |
| 31-58581             | IOM(M009) in Left AIMS has no input from IOM(M003) in Left AIMS on DCMF-L Data Wrap Bus (429).          | 31-43 TASK 855        |
| 31-58582             | IOM(M009) in Right AIMS has no input from IOM(M003) in Right AIMS on DCMF-R Data Wrap Bus (429).        | 31-43 TASK 855        |
| 31-58591             | IOM(M009) in Left AIMS has no input from IOM(M009) in Right AIMS on CMCS XCabinet Left Bus (429).       | 31-43 TASK 855        |
| 31-58592*            | IOM(M009) in Right AIMS has no input from IOM(M009) in Left AIMS on NAV Tuning XCabinet Left Bus (429). | 31-43 TASK 855        |
| 31-58601             | IOM(M009) in Left AIMS has a discrete input fault.                                                      | 31-41 TASK 992        |
| 31-58602             | IOM(M009) in Right AIMS has a discrete input fault.                                                     | 31-41 TASK 993        |
| 31-59201             | IOM(M009) in Left AIMS has a discrete output fault.                                                     | 31-41 TASK 880        |
| 31-59202             | IOM(M009) in Right AIMS has a discrete output fault.                                                    | 31-41 TASK 881        |

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| MAINT MESSAGE | MESSAGE TEXT                                                 | GO TO FIM TASK |
|---------------|--------------------------------------------------------------|----------------|
| 31-59211      | IOM(M009) in Left AIMS has a discrete output fault.          | 31-41 TASK 923 |
| 31-59212      | IOM(M009) in Right AIMS has a discrete output fault.         | 31-41 TASK 923 |
| 31-59221      | IOM(M009) in Left AIMS has a discrete output fault.          | 31-41 TASK 923 |
| 31-59222      | IOM(M009) in Right AIMS has a discrete output fault.         | 31-41 TASK 923 |
| 31-59231      | IOM(M009) in Left AIMS has a discrete output fault.          | 31-41 TASK 931 |
| 31-59232      | IOM(M009) in Right AIMS has a discrete output fault.         | 31-41 TASK 923 |
| 31-59241      | IOM(M009) in Left AIMS has a discrete output fault.          | 31-41 TASK 923 |
| 31-59242      | IOM(M009) in Right AIMS has a discrete output fault.         | 31-41 TASK 923 |
| 31-59251      | IOM(M009) in Left AIMS has a discrete output fault.          | 31-41 TASK 860 |
| 31-59252      | IOM(M009) in Right AIMS has a discrete output fault.         | 31-41 TASK 861 |
| 31-59261      | IOM(M009) in Left AIMS has a discrete output fault.          | 31-41 TASK 923 |
| 31-59262      | IOM(M009) in Right AIMS has a discrete output fault.         | 31-41 TASK 923 |
| 31-59271      | IOM(M009) in Left AIMS has a discrete output fault.          | 31-41 TASK 932 |
| 31-59272      | IOM(M009) in Right AIMS has a discrete output fault.         | 31-41 TASK 973 |
| 31-59281      | IOM(M009) in Left AIMS has a discrete output fault.          | 31-41 TASK 923 |
| 31-59282      | IOM(M009) in Right AIMS has a discrete output fault.         | 31-41 TASK 923 |
| 31-59291      | IOM(M009) in Left AIMS has a discrete output fault.          | 31-41 TASK 949 |
| 31-59292      | IOM(M009) in Right AIMS has a discrete output fault.         | 31-41 TASK 950 |
| 31-59301      | IOM(M009) in Left AIMS has a discrete output fault.          | 31-41 TASK 923 |
| 31-59302      | IOM(M009) in Right AIMS has a discrete output fault.         | 31-41 TASK 923 |
| 31-59311      | IOM(M009) in Left AIMS has a discrete output fault.          | 31-41 TASK 974 |
| 31-59312      | IOM(M009) in Right AIMS has a discrete output fault.         | 31-41 TASK 923 |
| 31-59321      | IOM(M009) in Left AIMS has a discrete output fault.          | 31-41 TASK 953 |
| 31-59322      | IOM(M009) in Right AIMS has a discrete output fault.         | 31-41 TASK 954 |
| 31-59331      | IOM(M009) in Left AIMS has a discrete output fault.          | 31-41 TASK 882 |
| 31-59332      | IOM(M009) in Right AIMS has a discrete output fault.         | 31-41 TASK 883 |
| 31-59341      | IOM(M009) in Left AIMS has a discrete output fault.          | 31-41 TASK 923 |
| 31-59342      | IOM(M009) in Right AIMS has a discrete output fault.         | 31-41 TASK 923 |
| 31-59351      | IOM(M009) in Left AIMS has a discrete output fault.          | 31-41 TASK 955 |
| 31-59352      | IOM(M009) in Right AIMS has a discrete output fault.         | 31-41 TASK 956 |
| 31-59401*     | IOM(M009) in Left AIMS has an analog input or output fault.  | 31-41 TASK 992 |
| 31-59402*     | IOM(M009) in Right AIMS has an analog input or output fault. | 31-41 TASK 993 |
| 31-59701*     | IOM(M009) in Left AIMS has an ARINC 429 input fault.         | 31-41 TASK 858 |
| 31-59702*     | IOM(M009) in Right AIMS has an ARINC 429 input fault.        | 31-41 TASK 859 |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                     | GO TO FIM TASK |
|---------------|--------------------------------------------------------------------------------------------------|----------------|
| 31-59711*     | IOM(M009) in Left AIMS has an ARINC 429 input fault.                                             | 31-41 TASK 858 |
| 31-59712      | IOM(M009) in Right AIMS has an ARINC 429 input fault.                                            | 31-41 TASK 859 |
| 31-59721*     | IOM(M009) in Left AIMS has an ARINC 429 input fault.                                             | 31-41 TASK 858 |
| 31-59722*     | IOM(M009) in Right AIMS has an ARINC 429 input fault.                                            | 31-41 TASK 859 |
| 31-59731      | IOM(M009) in Left AIMS has an ARINC 429 input fault.                                             | 31-41 TASK 858 |
| 31-59732*     | IOM(M009) in Right AIMS has an ARINC 429 input fault.                                            | 31-41 TASK 859 |
| 31-61011*     | DCGF in Left AIMS has incorrect software configuration.                                          | 31-43 TASK 861 |
| 31-61012*     | DCGF in Right AIMS has incorrect software configuration.                                         | 31-43 TASK 862 |
| 31-61020*     | DCGF in Left AIMS and in Right AIMS have incorrect software configuration.                       | 31-43 TASK 863 |
| 31-61031      | Left AIMS has an internal fault.                                                                 | 31-41 TASK 862 |
| 31-61032      | Right AIMS has an internal fault.                                                                | 31-41 TASK 891 |
| 31-61041      | Left AIMS has an internal fault.                                                                 | 31-43 TASK 835 |
| 31-61042      | Right AIMS has an internal fault.                                                                | 31-43 TASK 836 |
| 31-61051      | Left AIMS has an internal fault.                                                                 | 31-43 TASK 837 |
| 31-61052      | Right AIMS has an internal fault.                                                                | 31-43 TASK 838 |
| 31-61061      | Left AIMS has an internal fault.                                                                 | 31-43 TASK 839 |
| 31-61062      | Right AIMS has an internal fault.                                                                | 31-43 TASK 840 |
| 31-61071*     | DCGF in Left AIMS has an internal software fault.                                                | 31-43 TASK 841 |
| 31-61072*     | DCGF in Right AIMS has an internal software fault.                                               | 31-43 TASK 842 |
| 31-61111      | IOM(M009) in Left AIMS has an internal fault.                                                    | 31-43 TASK 856 |
| 31-61112      | IOM(M009) in Right AIMS has an internal fault.                                                   | 31-43 TASK 856 |
| 31-61113      | IOM(M008) in Left AIMS has an internal fault.                                                    | 31-43 TASK 856 |
| 31-61114      | IOM(M008) in Right AIMS has an internal fault.                                                   | 31-43 TASK 856 |
| 31-61115      | IOM(M004) in Left AIMS has an internal fault.                                                    | 31-43 TASK 856 |
| 31-61116      | IOM(M004) in Right AIMS has an internal fault.                                                   | 31-43 TASK 856 |
| 31-61117      | IOM(M003) in Left AIMS has an internal fault.                                                    | 31-43 TASK 856 |
| 31-61118      | IOM(M003) in Right AIMS has an internal fault.                                                   | 31-43 TASK 856 |
| 31-61201      | DCGF-1 in Left AIMS has no input from CMCF in Left AIMS on the AIMS Backplane.                   | 23-27 TASK 827 |
| 31-61202      | DCGF-1 in Right AIMS has no input from CMCF in Left AIMS on AIMS Intercabinet Buses (3) and (4). | 23-27 TASK 855 |
| 31-61203      | DCGF-1 in Left AIMS has no input from CMCF in Right AIMS on AIMS Intercabinet Buses (3) and (4). | 23-27 TASK 856 |
| 31-61204      | DCGF-1 in Right AIMS has no input from CMCF in Right AIMS on the AIMS Backplane.                 | 23-27 TASK 828 |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                    | GO TO FIM TASK |
|---------------|-----------------------------------------------------------------------------------------------------------------|----------------|
| 31-61211      | CPM/GG(M010) in Left AIMS has a fault.                                                                          | 31-43 TASK 864 |
| 31-61212      | DCGF-1 in Right AIMS has no input from DCGF-1 in Left AIMS on System ARINC 629 Buses (center 1) and (center 2). | 31-43 TASK 874 |
| 31-61213      | CPM/GG(M011) in Left AIMS has a fault.                                                                          | 31-43 TASK 864 |
| 31-61214      | DCGF-1 in Right AIMS has no input from DCGF-1 in Left AIMS on System ARINC 629 Buses (center 1) and (center 2). | 31-43 TASK 874 |
| 31-61215      | DCGF-1 in Left AIMS has no input from DCGF-1 in Right AIMS on System ARINC 629 Buses (center 1) and (center 2). | 31-43 TASK 874 |
| 31-61216      | CPM/GG(M010) in Right AIMS has a fault.                                                                         | 31-43 TASK 864 |
| 31-61217      | DCGF-1 in Left AIMS has no input from DCGF-1 in Right AIMS on System ARINC 629 Buses (center 1) and (center 2). | 31-43 TASK 874 |
| 31-61218      | CPM/GG(M011) in Right AIMS has a fault.                                                                         | 31-43 TASK 864 |
| 31-62011      | DCGF in Left AIMS has incorrect software configuration.                                                         | 31-43 TASK 843 |
| 31-62012      | DCGF in Right AIMS has incorrect software configuration.                                                        | 31-43 TASK 844 |
| 31-62020      | DCGF in Left AIMS and in Right AIMS have incorrect software configuration.                                      | 31-43 TASK 845 |
| 31-62031      | Left AIMS has an internal fault.                                                                                | 31-43 TASK 846 |
| 31-62032      | Right AIMS has an internal fault.                                                                               | 31-43 TASK 847 |
| 31-62041      | Left AIMS has an internal fault.                                                                                | 31-43 TASK 848 |
| 31-62042      | Right AIMS has an internal fault.                                                                               | 31-43 TASK 849 |
| 31-62071      | DCGF in Left AIMS has an internal software fault.                                                               | 31-43 TASK 850 |
| 31-62072      | DCGF in Right AIMS has an internal software fault.                                                              | 31-43 TASK 851 |
| 31-62201      | DCGF-2 in Left AIMS has no input from CMCF in Left AIMS on the AIMS Backplane.                                  | 23-27 TASK 829 |
| 31-62202      | DCGF-2 in Right AIMS has no input from CMCF in Left AIMS on AIMS Intercabinet Buses (3) and (4).                | 23-27 TASK 857 |
| 31-62203      | DCGF-2 in Left AIMS has no input from CMCF in Right AIMS on AIMS Intercabinet Buses (3) and (4).                | 23-27 TASK 858 |
| 31-62204      | DCGF-2 in Right AIMS has no input from CMCF in Right AIMS on the AIMS Backplane.                                | 23-27 TASK 830 |
| 31-62211      | CPM/Comm(M001) in Left AIMS has a fault.                                                                        | 31-43 TASK 864 |
| 31-62212      | DCGF-2 in Right AIMS has no input from DCGF-2 in Left AIMS on System ARINC 629 Buses (center 1) and (center 2). | 31-43 TASK 874 |
| 31-62213      | CPM/ACMFor CPM STD (M002) in Left AIMS has a fault.                                                             | 31-43 TASK 864 |
| 31-62214      | DCGF-2 in Right AIMS has no input from DCGF-2 in Left AIMS on System ARINC 629 Buses (center 1) and (center 2). | 31-43 TASK 874 |
| 31-62215      | DCGF-2 in Left AIMS has no input from DCGF-2 in Right AIMS on System ARINC 629 Buses (center 1) and (center 2). | 31-43 TASK 874 |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                             | <b>GO TO FIM TASK</b> |
|----------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-62216             | CPM/Comm(M001) in Right AIMS has a fault.                                                                       | 31-43 TASK 864        |
| 31-62217             | DCGF-2 in Left AIMS has no input from DCGF-2 in Right AIMS on System ARINC 629 Buses (center 1) and (center 2). | 31-43 TASK 874        |
| 31-62218             | CPM/ ACMFor Basic or STD (M002) in Right AIMS has a fault.                                                      | 31-43 TASK 864        |
| 31-68801*            | Left AIMS has no output on any bus.                                                                             | 31-43 TASK 892        |
| 31-68802*            | Right AIMS has no output on any bus.                                                                            | 31-43 TASK 893        |
| 31-68811*            | Left AIMS has no output on Flight Controls ARINC 629 Bus (left).                                                | 31-42 TASK 908        |
| 31-68832*            | Right AIMS has no output on Flight Controls ARINC 629 Bus (right).                                              | 31-42 TASK 908        |
| 31-68841             | Left AIMS has no output on System ARINC 629 Bus (left).                                                         | 31-42 TASK 909        |
| 31-68842             | Right AIMS has no output on System ARINC 629 Bus (left).                                                        | 31-42 TASK 909        |
| 31-68851             | Left AIMS has no output on System ARINC 629 Bus (center 1).                                                     | 31-42 TASK 909        |
| 31-68852             | Right AIMS has no output on System ARINC 629 Bus (center 1).                                                    | 31-42 TASK 909        |
| 31-68861             | Left AIMS has no output on System ARINC 629 Bus (right).                                                        | 31-42 TASK 909        |
| 31-68862             | Right AIMS has no output on System ARINC 629 Bus (right).                                                       | 31-42 TASK 909        |
| 31-68871             | Left AIMS has no output on System ARINC 629 Bus (center 2).                                                     | 31-42 TASK 909        |
| 31-68872             | Right AIMS has no output on System ARINC 629 Bus (center 2).                                                    | 31-42 TASK 909        |
| 31-68891*            | Left AIMS has no output on General Purpose #1 Bus (AIMS-L) (429).                                               | 31-43 TASK 876        |
| 31-68893*            | Left AIMS has no output on General Purpose #2 Bus (AIMS-L) (429).                                               | 31-43 TASK 877        |
| 31-68894*            | Right AIMS has no output on General Purpose #2 Bus (AIMS-R) (429).                                              | 31-43 TASK 878        |
| 31-68895             | Left AIMS has no output on General Purpose #3 Bus (AIMS-L) (429).                                               | 31-43 TASK 879        |
| 31-68896             | Right AIMS has no output on General Purpose #3 Bus (AIMS-R) (429).                                              | 31-43 TASK 880        |
| 31-68897             | Left AIMS has no output on Inertial Reference Bus-L (429).                                                      | 31-43 TASK 881        |
| 31-68898             | Right AIMS has no output on Inertial Reference Bus-R (429).                                                     | 31-43 TASK 882        |
| 31-68899             | Left AIMS has no output on DCMF-L Data Bus (429).                                                               | 31-43 TASK 883        |
| 31-68900             | Right AIMS has no output on DCMF-R Data Bus (429).                                                              | 31-43 TASK 884        |
| 31-68901             | Left AIMS has no output on CMCS Left Bus (429).                                                                 | 31-43 TASK 885        |
| 31-68902             | Right AIMS has no output on NAV Tuning Left Bus (429).                                                          | 31-43 TASK 886        |
| 31-68903             | Left AIMS has no output on CMCS Right Bus (429).                                                                | 31-43 TASK 887        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                                                                                                                                                                                                                                                                                | <b>GO TO FIM TASK</b> |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-68904             | Right AIMS has no output on NAV Tuning Right Bus (429).                                                                                                                                                                                                                                                                                                                                            | 31-43 TASK 888        |
| 31-68905             | Left AIMS has no output on CMCS Center Bus (429).                                                                                                                                                                                                                                                                                                                                                  | 31-43 TASK 889        |
| 31-68906*            | Right AIMS has no output on General Purpose #1 Bus (AIMS-R) (429).                                                                                                                                                                                                                                                                                                                                 | 31-43 TASK 890        |
| 31-69101*            | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Left AIMS has no input from Any LRU on Flight Controls ARINC 629 Bus (left).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Left AIMS has no input from any LRU on Flight Controls ARINC 629 Bus (left).   | 31-42 TASK 801        |
| 31-69102*            | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Right AIMS has no input from Any LRU on Flight Controls ARINC 629 Bus (left).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Right AIMS has no input from any LRU on Flight Controls ARINC 629 Bus (left). | 31-42 TASK 801        |
| 31-69103             | Left AIMS has no input from Autopilot Flight Director Computer (Left) on Flight Controls ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                     | 31-42 TASK 802        |
| 31-69104             | Right AIMS has no input from Autopilot Flight Director Computer (Left) on Flight Controls ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                    | 31-42 TASK 802        |
| 31-69105             | Left AIMS has no input from Power Supply Assembly (left) on Flight Controls ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                  | 31-42 TASK 803        |
| 31-69106             | Right AIMS has no input from Power Supply Assembly (left) on Flight Controls ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                 | 31-42 TASK 803        |
| 31-69107             | Left AIMS has no input from Primary Flight Computer (left) on Flight Controls ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                | 31-42 TASK 804        |
| 31-69108             | Right AIMS has no input from Primary Flight Computer (left) on Flight Controls ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                               | 31-42 TASK 804        |
| 31-69113             | Left AIMS has no input from Actuator Control Electronics (left 1) on Flight Controls ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                         | 31-42 TASK 805        |
| 31-69114             | Right AIMS has no input from Actuator Control Electronics (left 1) on Flight Controls ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                        | 31-42 TASK 805        |
| 31-69115             | Left AIMS has no input from Actuator Control Electronics (left 2) on Flight Controls ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                         | 31-42 TASK 805        |
| 31-69116             | Right AIMS has no input from Actuator Control Electronics (left 2) on Flight Controls ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                        | 31-42 TASK 805        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                                                                                                                                                                                                                                                                                    | <b>GO TO FIM TASK</b> |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-69117*            | Left AIMS has no input from Air Data Inertial Reference Unit on Flight Controls ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                  | 31-42 TASK 806        |
| 31-69118*            | Right AIMS has no input from Air Data Inertial Reference Unit on Flight Controls ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                 | 31-42 TASK 806        |
| 31-69123             | Left AIMS has no input from Air Data Module (Left Pitot) on Flight Controls ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                      | 31-42 TASK 807        |
| 31-69124             | Right AIMS has no input from Air Data Module (Left Pitot) on Flight Controls ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                     | 31-42 TASK 807        |
| 31-69125             | Left AIMS has no input from Air Data Module (Left Static) on Flight Controls ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                     | 31-42 TASK 808        |
| 31-69126             | Right AIMS has no input from Air Data Module (Left Static) on Flight Controls ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                    | 31-42 TASK 808        |
| 31-69201*            | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Left AIMS has no input from Any LRU on Flight Controls ARINC 629 Bus (center).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Left AIMS has no input from any LRU on Flight Controls ARINC 629 Bus (center).   | 31-42 TASK 809        |
| 31-69202*            | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Right AIMS has no input from Any LRU on Flight Controls ARINC 629 Bus (center).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Right AIMS has no input from any LRU on Flight Controls ARINC 629 Bus (center). | 31-42 TASK 809        |
| 31-69203             | Left AIMS has no input from Autopilot Flight Director Computer (Center) on Flight Controls ARINC 629 Bus (center).                                                                                                                                                                                                                                                                                     | 31-42 TASK 810        |
| 31-69204             | Right AIMS has no input from Autopilot Flight Director Computer (Center) on Flight Controls ARINC 629 Bus (center).                                                                                                                                                                                                                                                                                    | 31-42 TASK 810        |
| 31-69205             | Left AIMS has no input from Power Supply Assembly (center) on Flight Controls ARINC 629 Bus (center).                                                                                                                                                                                                                                                                                                  | 31-42 TASK 811        |
| 31-69206             | Right AIMS has no input from Power Supply Assembly (center) on Flight Controls ARINC 629 Bus (center).                                                                                                                                                                                                                                                                                                 | 31-42 TASK 811        |
| 31-69209             | Left AIMS has no input from Primary Flight Computer (center) on Flight Controls ARINC 629 Bus (center).                                                                                                                                                                                                                                                                                                | 31-42 TASK 812        |
| 31-69210             | Right AIMS has no input from Primary Flight Computer (center) on Flight Controls ARINC 629 Bus (center).                                                                                                                                                                                                                                                                                               | 31-42 TASK 812        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                                                                                                                                                                                                                                                                                  | <b>GO TO FIM TASK</b> |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-69213             | Left AIMS has no input from Actuator Control Electronics (center) on Flight Controls ARINC 629 Bus (center).                                                                                                                                                                                                                                                                                         | 31-42 TASK 813        |
| 31-69214             | Right AIMS has no input from Actuator Control Electronics (center) on Flight Controls ARINC 629 Bus (center).                                                                                                                                                                                                                                                                                        | 31-42 TASK 813        |
| 31-69219*            | Left AIMS has no input from Secondary Attitude Air Data Reference Unit on Flight Controls ARINC 629 Bus (center).                                                                                                                                                                                                                                                                                    | 31-42 TASK 814        |
| 31-69220*            | Right AIMS has no input from Secondary Attitude Air Data Reference Unit on Flight Controls ARINC 629 Bus (center).                                                                                                                                                                                                                                                                                   | 31-42 TASK 814        |
| 31-69223             | Left AIMS has no input from Air Data Module (Center Pitot) on Flight Controls ARINC 629 Bus (center).                                                                                                                                                                                                                                                                                                | 31-42 TASK 815        |
| 31-69224             | Right AIMS has no input from Air Data Module (Center Pitot) on Flight Controls ARINC 629 Bus (center).                                                                                                                                                                                                                                                                                               | 31-42 TASK 815        |
| 31-69225             | Left AIMS has no input from Air Data Module (Center Static) on Flight Controls ARINC 629 Bus (center).                                                                                                                                                                                                                                                                                               | 31-42 TASK 816        |
| 31-69226             | Right AIMS has no input from Air Data Module (Center Static) on Flight Controls ARINC 629 Bus (center).                                                                                                                                                                                                                                                                                              | 31-42 TASK 816        |
| 31-69301*            | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Left AIMS has no input from Any LRU on Flight Controls ARINC 629 Bus (right).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Left AIMS has no input from any LRU on Flight Controls ARINC 629 Bus (right).   | 31-42 TASK 817        |
| 31-69302*            | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Right AIMS has no input from Any LRU on Flight Controls ARINC 629 Bus (right).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Right AIMS has no input from any LRU on Flight Controls ARINC 629 Bus (right). | 31-42 TASK 817        |
| 31-69303             | Left AIMS has no input from Autopilot Flight Director Computer (Right) on Flight Controls ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                     | 31-42 TASK 818        |
| 31-69304             | Right AIMS has no input from Autopilot Flight Director Computer (Right) on Flight Controls ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                    | 31-42 TASK 818        |
| 31-69305             | Left AIMS has no input from Power Supply Assembly (right) on Flight Controls ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                                  | 31-42 TASK 819        |
| 31-69306             | Right AIMS has no input from Power Supply Assembly (right) on Flight Controls ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                                 | 31-42 TASK 819        |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                                     | GO TO FIM TASK |
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| 31-69311      | Left AIMS has no input from Primary Flight Computer (right) on Flight Controls ARINC 629 Bus (right).                                                                                                                                                                                                                                                                            | 31-42 TASK 820 |
| 31-69312      | Right AIMS has no input from Primary Flight Computer (right) on Flight Controls ARINC 629 Bus (right).                                                                                                                                                                                                                                                                           | 31-42 TASK 820 |
| 31-69313      | Left AIMS has no input from Actuator Control Electronics (right) on Flight Controls ARINC 629 Bus (right).                                                                                                                                                                                                                                                                       | 31-42 TASK 821 |
| 31-69314      | Right AIMS has no input from Actuator Control Electronics (right) on Flight Controls ARINC 629 Bus (right).                                                                                                                                                                                                                                                                      | 31-42 TASK 821 |
| 31-69317*     | Left AIMS has no input from Air Data Inertial Reference Unit on Flight Controls ARINC 629 Bus (right).                                                                                                                                                                                                                                                                           | 31-42 TASK 822 |
| 31-69318*     | Right AIMS has no input from Air Data Inertial Reference Unit on Flight Controls ARINC 629 Bus (right).                                                                                                                                                                                                                                                                          | 31-42 TASK 822 |
| 31-69323      | Left AIMS has no input from Air Data Module (Right Pitot) on Flight Controls ARINC 629 Bus (right).                                                                                                                                                                                                                                                                              | 31-42 TASK 823 |
| 31-69324      | Right AIMS has no input from Air Data Module (Right Pitot) on Flight Controls ARINC 629 Bus (right).                                                                                                                                                                                                                                                                             | 31-42 TASK 823 |
| 31-69325      | Left AIMS has no input from Air Data Module (Right Static) on Flight Controls ARINC 629 Bus (right).                                                                                                                                                                                                                                                                             | 31-42 TASK 824 |
| 31-69326      | Right AIMS has no input from Air Data Module (Right Static) on Flight Controls ARINC 629 Bus (right).                                                                                                                                                                                                                                                                            | 31-42 TASK 824 |
| 31-69401*     | Left AIMS has no input from any LRU on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                              | 31-42 TASK 825 |
| 31-69402*     | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Right AIMS has no input from Any LRU on System ARINC 629 Bus (left).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Right AIMS has no input from any LRU on System ARINC 629 Bus (left). | 31-42 TASK 825 |
| 31-69403      | Left AIMS has no input from Cabin Temperature Controller (Left) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                  | 31-42 TASK 826 |
| 31-69404      | Right AIMS has no input from Cabin Temperature Controller (Left) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                 | 31-42 TASK 826 |
| 31-69405      | Left AIMS has no input from Cabin Temperature Controller (Right) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                 | 31-42 TASK 826 |
| 31-69406      | Right AIMS has no input from Cabin Temperature Controller (Right) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                | 31-42 TASK 826 |
| 31-69407      | Left AIMS has no input from Autopilot Flight Director Computer (Left) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                            | 31-42 TASK 827 |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                    | <b>GO TO FIM TASK</b> |
|----------------------|--------------------------------------------------------------------------------------------------------|-----------------------|
| 31-69408             | Right AIMS has no input from Autopilot Flight Director Computer (Left) on System ARINC 629 Bus (left). | 31-42 TASK 827        |
| 31-69409             | Left AIMS has no input from Overhead Panel Bus Controller (L) on System ARINC 629 Bus (left).          | 31-42 TASK 828        |
| 31-69410             | Right AIMS has no input from Overhead Panel Bus Controller (L) on System ARINC 629 Bus (left).         | 31-42 TASK 828        |
| 31-69411             | Left AIMS has no input from Overhead Panel Bus Controller (R) on System ARINC 629 Bus (left).          | 31-42 TASK 829        |
| 31-69412             | Right AIMS has no input from Overhead Panel Bus Controller (R) on System ARINC 629 Bus (left).         | 31-42 TASK 829        |
| 31-69413             | Left AIMS has no input from Pass. Address/Cabin Interphone Controller on System ARINC 629 Bus (left).  | 31-42 TASK 830        |
| 31-69414             | Right AIMS has no input from Pass. Address/Cabin Interphone Controller on System ARINC 629 Bus (left). | 31-42 TASK 830        |
| 31-69415             | Left AIMS has no input from Audio Management Unit on System ARINC 629 Bus (left).                      | 31-42 TASK 832        |
| 31-69416             | Right AIMS has no input from Audio Management Unit on System ARINC 629 Bus (left).                     | 31-42 TASK 832        |
| 31-69423             | Left AIMS has no input from Generator Control Unit (L) on System ARINC 629 Bus (left).                 | 31-42 TASK 834        |
| 31-69424             | Right AIMS has no input from Generator Control Unit (L) on System ARINC 629 Bus (left).                | 31-42 TASK 834        |
| 31-69425             | Left AIMS has no input from Generator Control Unit (R) on System ARINC 629 Bus (left).                 | 31-42 TASK 834        |
| 31-69426             | Right AIMS has no input from Generator Control Unit (R) on System ARINC 629 Bus (left).                | 31-42 TASK 834        |
| 31-69427             | Left AIMS has no input from Auxiliary Generator Control Unit (AGCU) on System ARINC 629 Bus (left).    | 31-42 TASK 835        |
| 31-69428             | Right AIMS has no input from Auxiliary Generator Control Unit (AGCU) on System ARINC 629 Bus (left).   | 31-42 TASK 835        |
| 31-69429             | Left AIMS has no input from Bus Power Control Unit (BPCU) on System ARINC 629 Bus (left).              | 31-42 TASK 836        |
| 31-69430             | Right AIMS has no input from Bus Power Control Unit (BPCU) on System ARINC 629 Bus (left).             | 31-42 TASK 836        |
| 31-69431             | Left AIMS has no input from Backup Converter on System ARINC 629 Bus (left).                           | 31-42 TASK 837        |
| 31-69432             | Right AIMS has no input from Converter on System ARINC 629 Bus (left).                                 | 31-42 TASK 837        |
| 31-69433             | Left AIMS has no input from FSEU 1 on System ARINC 629 Bus (left).                                     | 31-42 TASK 838        |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                                                                              | GO TO FIM TASK |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-69434      | Right AIMS has no input from FSEU 1 on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                                                       | 31-42 TASK 838 |
| 31-69437      | Left AIMS has no input from Fuel Quantity Processor Unit on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                                  | 31-42 TASK 839 |
| 31-69438      | Right AIMS has no input from Fuel Quantity Processor Unit on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                                 | 31-42 TASK 839 |
| 31-69439      | Left AIMS has no input from Warning Electronic Unit (left) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                                | 31-42 TASK 840 |
| 31-69440      | Right AIMS has no input from Warning Electronic Unit (left) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                               | 31-42 TASK 840 |
| 31-69443      | Left AIMS has no input from PSEU 1 on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                                                        | 31-42 TASK 841 |
| 31-69444      | Right AIMS has no input from PSEU 1 on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                                                       | 31-42 TASK 841 |
| 31-69445      | Left AIMS has no input from PSEU 2 on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                                                        | 31-42 TASK 841 |
| 31-69446      | Right AIMS has no input from PSEU 2 on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                                                       | 31-42 TASK 841 |
| 31-69447      | Left AIMS has no input from Brake System Control Unit on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                                     | 31-42 TASK 842 |
| 31-69448      | Right AIMS has no input from Brake System Control Unit on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                                    | 31-42 TASK 842 |
| 31-69449      | <b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Left AIMS has no input from Brake Temperature Channel on System ARINC 629 Bus (left).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br>Left AIMS has no input from Brake Temperature Monitor Unit on System ARINC 629 Bus (left).   | 31-42 TASK 843 |
| 31-69450      | <b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Right AIMS has no input from Brake Temperature Channel on System ARINC 629 Bus (left).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br>Right AIMS has no input from Brake Temperature Monitor Unit on System ARINC 629 Bus (left). | 31-42 TASK 843 |
| 31-69451      | Left AIMS has no input from Main Gear Steering Control Unit on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                               | 31-42 TASK 844 |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                                                                                                                                                                                                                                                                                               | <b>GO TO FIM TASK</b> |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-69452             | Right AIMS has no input from Main Gear Steering Control Unit on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                      | 31-42 TASK 844        |
| 31-69453             | <b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Left AIMS has no input from Tire Pressure Channel on System ARINC 629 Bus (left).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br>Left AIMS has no input from Tire Pressure Monitor Unit on System ARINC 629 Bus (left).   | 31-42 TASK 845        |
| 31-69454             | <b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Right AIMS has no input from Tire Pressure Channel on System ARINC 629 Bus (left).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br>Right AIMS has no input from Tire Pressure Monitor Unit on System ARINC 629 Bus (left). | 31-42 TASK 845        |
| 31-69455             | Left AIMS has no input from Control Display Unit (Left) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                           | 31-42 TASK 846        |
| 31-69456             | Right AIMS has no input from Control Display Unit (Left) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                          | 31-42 TASK 846        |
| 31-69457             | Left AIMS has no input from Control Display Unit (Right) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                          | 31-42 TASK 846        |
| 31-69458             | Right AIMS has no input from Control Display Unit (Right) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                         | 31-42 TASK 846        |
| 31-69459             | Left AIMS has no input from Control Display Unit (Center) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                         | 31-42 TASK 846        |
| 31-69460             | Right AIMS has no input from Control Display Unit (Center) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                        | 31-42 TASK 846        |
| 31-69461             | Left AIMS has no input from Air Supply Cabin Pressure Controller (L) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                              | 31-42 TASK 847        |
| 31-69462             | Right AIMS has no input from Air Supply Cabin Pressure Controller (L) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                             | 31-42 TASK 847        |
| 31-69463             | Left AIMS has no input from Air Supply Cabin Pressure Controller (R) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                              | 31-42 TASK 847        |
| 31-69464             | Right AIMS has no input from Air Supply Cabin Pressure Controller (R) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                             | 31-42 TASK 847        |
| 31-69465*            | Left AIMS has no input from APU Controller (APUC) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                                 | 31-42 TASK 848        |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                                                                                                                                                                                                                                                                    | <b>GO TO FIM TASK</b> |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-69466*            | Right AIMS has no input from APU Controller (APUC) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                     | 31-42 TASK 848        |
| 31-69467             | Left AIMS has no input from Signal Conditioner Unit (Left) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                             | 31-42 TASK 849        |
| 31-69468             | Right AIMS has no input from Signal Conditioner Unit (Left) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                            | 31-42 TASK 849        |
| 31-69469             | Left AIMS has no input from Engine Data Interface Unit (L Eng,ch A) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                    | 31-42 TASK 850        |
| 31-69470             | Right AIMS has no input from Engine Data Interface Unit (L Eng,ch A) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                   | 31-42 TASK 850        |
| 31-69471             | Left AIMS has no input from Engine Data Interface Unit (L Eng,ch B) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                    | 31-42 TASK 850        |
| 31-69472             | Right AIMS has no input from Engine Data Interface Unit (L Eng,ch B) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                   | 31-42 TASK 850        |
| 31-69491             | Left AIMS has no input from ARINC Signal Gateway (left), LSCF on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                          | 31-42 TASK 851        |
| 31-69492             | Right AIMS has no input from ARINC Signal Gateway (left), LSCF on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                         | 31-42 TASK 851        |
| 31-69493             | Left AIMS has no input from ARINC Signal Gateway (left), RSCF on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                          | 31-42 TASK 851        |
| 31-69494             | Right AIMS has no input from ARINC Signal Gateway (left), RSCF on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                         | 31-42 TASK 851        |
| 31-69496*            | Left AIMS has no input from ELMS P210 Electronics Unit on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                 | 31-42 TASK 915        |
| 31-69497*            | Right AIMS has no input from ELMS P210 Electronics Unit on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                | 31-42 TASK 915        |
| 31-69501             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Left AIMS has no input from Any LRU on System ARINC 629 Bus (center 1).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Left AIMS has no input from any LRU on System ARINC 629 Bus (center 1). | 31-42 TASK 852        |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                                             | GO TO FIM TASK |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-69502      | <b>AIMS-2, CMCf LDI 3114-BCG-00W-16;</b><br>Right AIMS has no input from Any LRU on System ARINC 629 Bus (center 1).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCf LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCf LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCf LDI 3117-BCG-00W-15;</b><br>Right AIMS has no input from any LRU on System ARINC 629 Bus (center 1). | 31-42 TASK 852 |
| 31-69507      | Left AIMS has no input from Autopilot Flight Director Computer (Center) on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                              | 31-42 TASK 853 |
| 31-69508      | Right AIMS has no input from Autopilot Flight Director Computer (Center) on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                             | 31-42 TASK 853 |
| 31-69533      | Left AIMS has no input from FSEU 1 on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                                                                   | 31-42 TASK 854 |
| 31-69534      | Right AIMS has no input from FSEU 1 on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                                                                  | 31-42 TASK 854 |
| 31-69535      | Left AIMS has no input from FSEU 2 on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                                                                   | 31-42 TASK 854 |
| 31-69536      | Right AIMS has no input from FSEU 2 on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                                                                  | 31-42 TASK 854 |
| 31-69539      | Left AIMS has no input from Warning Electronic Unit (left) on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                                           | 31-42 TASK 855 |
| 31-69540      | Right AIMS has no input from Warning Electronic Unit (left) on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                                          | 31-42 TASK 855 |
| 31-69541      | Left AIMS has no input from Warning Electronic Unit (right) on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                                          | 31-42 TASK 855 |
| 31-69542      | Right AIMS has no input from Warning Electronic Unit (right) on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                                         | 31-42 TASK 855 |
| 31-69569      | Left AIMS has no input from Engine Data Interface Unit (L Eng,ch A) on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                                  | 31-42 TASK 856 |
| 31-69570      | Right AIMS has no input from Engine Data Interface Unit (L Eng,ch A) on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                                 | 31-42 TASK 856 |
| 31-69573      | Left AIMS has no input from Engine Data Interface Unit (L Eng,ch C) on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                                  | 31-42 TASK 856 |
| 31-69574      | Right AIMS has no input from Engine Data Interface Unit (L Eng,ch C) on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                                 | 31-42 TASK 856 |
| 31-69577      | Left AIMS has no input from Engine Data Interface Unit (R Eng,ch B) on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                                  | 31-42 TASK 856 |
| 31-69578      | Right AIMS has no input from Engine Data Interface Unit (R Eng,ch B) on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                                 | 31-42 TASK 856 |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                                       | GO TO FIM TASK |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-69579      | Left AIMS has no input from Engine Data Interface Unit (R Eng, ch C) on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                           | 31-42 TASK 856 |
| 31-69580      | Right AIMS has no input from Engine Data Interface Unit (R Eng, ch C) on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                          | 31-42 TASK 856 |
| 31-69601*     | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Left AIMS has no input from Any LRU on System ARINC 629 Bus (right).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Left AIMS has no input from any LRU on System ARINC 629 Bus (right).   | 31-42 TASK 857 |
| 31-69602*     | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Right AIMS has no input from Any LRU on System ARINC 629 Bus (right).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Right AIMS has no input from any LRU on System ARINC 629 Bus (right). | 31-42 TASK 857 |
| 31-69603      | Left AIMS has no input from Cabin Temperature Controller (Left) on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                   | 31-42 TASK 858 |
| 31-69604      | Right AIMS has no input from Cabin Temperature Controller (Left) on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                  | 31-42 TASK 858 |
| 31-69605      | Left AIMS has no input from Cabin Temperature Controller (Right) on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                  | 31-42 TASK 858 |
| 31-69606      | Right AIMS has no input from Cabin Temperature Controller (Right) on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                 | 31-42 TASK 858 |
| 31-69607      | Left AIMS has no input from Autopilot Flight Director Computer (Right) on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                            | 31-42 TASK 859 |
| 31-69608      | Right AIMS has no input from Autopilot Flight Director Computer (Right) on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                           | 31-42 TASK 859 |
| 31-69609      | Left AIMS has no input from Overhead Panel Bus Controller (L) on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                     | 31-42 TASK 860 |
| 31-69610      | Right AIMS has no input from Overhead Panel Bus Controller (L) on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                    | 31-42 TASK 860 |
| 31-69611      | Left AIMS has no input from Overhead Panel Bus Controller (R) on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                     | 31-42 TASK 861 |
| 31-69612      | Right AIMS has no input from Overhead Panel Bus Controller (R) on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                    | 31-42 TASK 861 |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                   | <b>GO TO FIM TASK</b> |
|----------------------|-------------------------------------------------------------------------------------------------------|-----------------------|
| 31-69613             | Left AIMS has no input from Cabin System Management Unit on System ARINC 629 Bus (right).             | 31-42 TASK 862        |
| 31-69614             | Right AIMS has no input from Cabin System Management Unit on System ARINC 629 Bus (right).            | 31-42 TASK 862        |
| 31-69623             | Left AIMS has no input from Generator Control Unit (L) on System ARINC 629 Bus (right).               | 31-42 TASK 864        |
| 31-69624             | Right AIMS has no input from Generator Control Unit (L) on System ARINC 629 Bus (right).              | 31-42 TASK 864        |
| 31-69625             | Left AIMS has no input from Generator Control Unit (R) on System ARINC 629 Bus (right).               | 31-42 TASK 864        |
| 31-69626             | Right AIMS has no input from Generator Control Unit (R) on System ARINC 629 Bus (right).              | 31-42 TASK 864        |
| 31-69627             | Left AIMS has no input from Auxiliary Generator Control Unit (AGCU) on System ARINC 629 Bus (right).  | 31-42 TASK 865        |
| 31-69628             | Right AIMS has no input from Auxiliary Generator Control Unit (AGCU) on System ARINC 629 Bus (right). | 31-42 TASK 865        |
| 31-69629             | Left AIMS has no input from Bus Power Control Unit (BPCU) on System ARINC 629 Bus (right).            | 31-42 TASK 866        |
| 31-69630             | Right AIMS has no input from Bus Power Control Unit (BPCU) on System ARINC 629 Bus (right).           | 31-42 TASK 866        |
| 31-69631             | Left AIMS has no input from Backup Converter on System ARINC 629 Bus (right).                         | 31-42 TASK 867        |
| 31-69632             | Right AIMS has no input from Converter on System ARINC 629 Bus (right).                               | 31-42 TASK 867        |
| 31-69635             | Left AIMS has no input from FSEU 2 on System ARINC 629 Bus (right).                                   | 31-42 TASK 868        |
| 31-69636             | Right AIMS has no input from FSEU 2 on System ARINC 629 Bus (right).                                  | 31-42 TASK 868        |
| 31-69637             | Left AIMS has no input from Fuel Quantity Processor Unit on System ARINC 629 Bus (right).             | 31-42 TASK 869        |
| 31-69638             | Right AIMS has no input from Fuel Quantity Processor Unit on System ARINC 629 Bus (right).            | 31-42 TASK 869        |
| 31-69641             | Left AIMS has no input from Warning Electronic Unit (right) on System ARINC 629 Bus (right).          | 31-42 TASK 870        |
| 31-69642             | Right AIMS has no input from Warning Electronic Unit (right) on System ARINC 629 Bus (right).         | 31-42 TASK 870        |
| 31-69643             | Left AIMS has no input from PSEU 1 on System ARINC 629 Bus (right).                                   | 31-42 TASK 871        |
| 31-69644             | Right AIMS has no input from PSEU 1 on System ARINC 629 Bus (right).                                  | 31-42 TASK 871        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                    | <b>GO TO FIM TASK</b> |
|----------------------|--------------------------------------------------------------------------------------------------------|-----------------------|
| 31-69645             | Left AIMS has no input from PSEU 2 on System ARINC 629 Bus (right).                                    | 31-42 TASK 871        |
| 31-69646             | Right AIMS has no input from PSEU 2 on System ARINC 629 Bus (right).                                   | 31-42 TASK 871        |
| 31-69647             | Left AIMS has no input from Brake System Control Unit on System ARINC 629 Bus (right).                 | 31-42 TASK 872        |
| 31-69648             | Right AIMS has no input from Brake System Control Unit on System ARINC 629 Bus (right).                | 31-42 TASK 872        |
| 31-69655             | Left AIMS has no input from Control Display Unit (Left) on System ARINC 629 Bus (right).               | 31-42 TASK 873        |
| 31-69656             | Right AIMS has no input from Control Display Unit (Left) on System ARINC 629 Bus (right).              | 31-42 TASK 873        |
| 31-69657             | Left AIMS has no input from Control Display Unit (Right) on System ARINC 629 Bus (right).              | 31-42 TASK 873        |
| 31-69658             | Right AIMS has no input from Control Display Unit (Right) on System ARINC 629 Bus (right).             | 31-42 TASK 873        |
| 31-69659             | Left AIMS has no input from Control Display Unit (Center) on System ARINC 629 Bus (right).             | 31-42 TASK 873        |
| 31-69660             | Right AIMS has no input from Control Display Unit (Center) on System ARINC 629 Bus (right).            | 31-42 TASK 873        |
| 31-69661             | Left AIMS has no input from Air Supply Cabin Pressure Controller (L) on System ARINC 629 Bus (right).  | 31-42 TASK 874        |
| 31-69662             | Right AIMS has no input from Air Supply Cabin Pressure Controller (L) on System ARINC 629 Bus (right). | 31-42 TASK 874        |
| 31-69663             | Left AIMS has no input from Air Supply Cabin Pressure Controller (R) on System ARINC 629 Bus (right).  | 31-42 TASK 874        |
| 31-69664             | Right AIMS has no input from Air Supply Cabin Pressure Controller (R) on System ARINC 629 Bus (right). | 31-42 TASK 874        |
| 31-69665*            | Left AIMS has no input from APU Controller (APUC) on System ARINC 629 Bus (right).                     | 31-42 TASK 875        |
| 31-69666*            | Right AIMS has no input from APU Controller (APUC) on System ARINC 629 Bus (right).                    | 31-42 TASK 875        |
| 31-69667             | Left AIMS has no input from Signal Conditioner Unit (Right) on System ARINC 629 Bus (right).           | 31-42 TASK 876        |
| 31-69668             | Right AIMS has no input from Signal Conditioner Unit (Right) on System ARINC 629 Bus (right).          | 31-42 TASK 876        |
| 31-69675             | Left AIMS has no input from Engine Data Interface Unit (R Eng, ch A) on System ARINC 629 Bus (right).  | 31-42 TASK 877        |
| 31-69676             | Right AIMS has no input from Engine Data Interface Unit (R Eng, ch A) on System ARINC 629 Bus (right). | 31-42 TASK 877        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                                                                                                                                                                                                                                                                      | <b>GO TO FIM TASK</b> |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-69677             | Left AIMS has no input from Engine Data Interface Unit (R Eng,ch B) on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                     | 31-42 TASK 877        |
| 31-69678             | Right AIMS has no input from Engine Data Interface Unit (R Eng,ch B) on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                    | 31-42 TASK 877        |
| 31-69691             | Left AIMS has no input from ARINC Signal Gateway (right), LSCF on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                          | 31-42 TASK 878        |
| 31-69692             | Right AIMS has no input from ARINC Signal Gateway (right), LSCF on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                         | 31-42 TASK 878        |
| 31-69693             | Left AIMS has no input from ARINC Signal Gateway (right), RSCF on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                          | 31-42 TASK 878        |
| 31-69694             | Right AIMS has no input from ARINC Signal Gateway (right), RSCF on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                         | 31-42 TASK 878        |
| 31-69701             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Left AIMS has no input from Any LRU on System ARINC 629 Bus (center 2).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Left AIMS has no input from any LRU on System ARINC 629 Bus (center 2).   | 31-42 TASK 879        |
| 31-69702             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Right AIMS has no input from Any LRU on System ARINC 629 Bus (center 2).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Right AIMS has no input from any LRU on System ARINC 629 Bus (center 2). | 31-42 TASK 879        |
| 31-69771             | Left AIMS has no input from Engine Data Interface Unit (L Eng,ch B) on System ARINC 629 Bus (center 2).                                                                                                                                                                                                                                                                                  | 31-42 TASK 880        |
| 31-69772             | Right AIMS has no input from Engine Data Interface Unit (L Eng,ch B) on System ARINC 629 Bus (center 2).                                                                                                                                                                                                                                                                                 | 31-42 TASK 880        |
| 31-69773             | Left AIMS has no input from Engine Data Interface Unit (L Eng,ch C) on System ARINC 629 Bus (center 2).                                                                                                                                                                                                                                                                                  | 31-42 TASK 880        |
| 31-69774             | Right AIMS has no input from Engine Data Interface Unit (L Eng,ch C) on System ARINC 629 Bus (center 2).                                                                                                                                                                                                                                                                                 | 31-42 TASK 880        |
| 31-69775             | Left AIMS has no input from Engine Data Interface Unit (R Eng,ch A) on System ARINC 629 Bus (center 2).                                                                                                                                                                                                                                                                                  | 31-42 TASK 880        |
| 31-69776             | Right AIMS has no input from Engine Data Interface Unit (R Eng,ch A) on System ARINC 629 Bus (center 2).                                                                                                                                                                                                                                                                                 | 31-42 TASK 880        |

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|----------------------|-----------------------------------------------------------------------------------------------------------|-----------------------|
| 31-69779             | Left AIMS has no input from Engine Data Interface Unit (R Eng, ch C) on System ARINC 629 Bus (center 2).  | 31-42 TASK 880        |
| 31-69780             | Right AIMS has no input from Engine Data Interface Unit (R Eng, ch C) on System ARINC 629 Bus (center 2). | 31-42 TASK 880        |
| 31-69861             | Left AIMS has no input from Multi-Mode Receiver (left) on GPS-L Data Bus 1 (429).                         | 31-42 TASK 912        |
| 31-69862             | Right AIMS has no input from Multi-Mode Receiver (left) on GPS-L Data Bus 2 (429).                        | 31-42 TASK 912        |
| 31-69863             | Left AIMS has no input from Multi-Mode Receiver (right) on GPS-R Data Bus 1 (429).                        | 31-42 TASK 912        |
| 31-69864             | Right AIMS has no input from Multi-Mode Receiver (right) on GPS-R Data Bus 2 (429).                       | 31-42 TASK 912        |
| 31-69867             | Left AIMS has no input from Multi-Mode Receiver (left) on ILS-L Output #2 Bus (429).                      | 31-42 TASK 913        |
| 31-69868             | Right AIMS has no input from Multi-Mode Receiver (left) on ILS-L Output #2 Bus (429).                     | 31-42 TASK 913        |
| 31-69869             | Left AIMS has no input from Multi-Mode Receiver (center) on ILS-C Output #2 Bus (429).                    | 31-42 TASK 913        |
| 31-69870             | Right AIMS has no input from Multi-Mode Receiver (center) on ILS-C Output #2 Bus (429).                   | 31-42 TASK 913        |
| 31-69871             | Left AIMS has no input from Multi-Mode Receiver (right) on ILS-R Output #2 Bus (429).                     | 31-42 TASK 913        |
| 31-69872             | Right AIMS has no input from Multi-Mode Receiver (right) on ILS-R Output #2 Bus (429).                    | 31-42 TASK 913        |
| 31-69873             | DCMF in Left AIMS has no input from HF Communication Transceiver (left) on HF Datalink bus..              | 31-45 TASK 801        |
| 31-69874             | DCMF in Right AIMS has no input from HF Communication Transceiver (left) on HF Datalink bus..             | 31-45 TASK 802        |
| 31-69875             | DCMF in Left AIMS has no input from HF Communication Transceiver (right) on HF Datalink bus..             | 31-45 TASK 803        |
| 31-69876             | DCMF in Right AIMS has no input from HF Communication Transceiver (right) on HF Datalink bus..            | 31-45 TASK 804        |
| 31-69903             | Left AIMS has no input from Mode Control Panel on MCP A Input Bus (429).                                  | 31-42 TASK 881        |
| 31-69904             | Right AIMS has no input from Mode Control Panel on MCP A Input Bus (429).                                 | 31-42 TASK 881        |
| 31-69905             | Left AIMS has no input from Mode Control Panel on MCP B Input Bus (429).                                  | 31-42 TASK 881        |
| 31-69906             | Right AIMS has no input from Mode Control Panel on MCP B Input Bus (429).                                 | 31-42 TASK 881        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                               | <b>GO TO FIM TASK</b> |
|----------------------|---------------------------------------------------------------------------------------------------|-----------------------|
| 31-69907             | Left AIMS has no input from Cabin Data Link Source on Cabin ACARS Bus (429).                      | 31-42 TASK 882        |
| 31-69908             | Right AIMS has no input from Cabin Data Link Source on Cabin ACARS Bus (429).                     | 31-42 TASK 882        |
| 31-69911             | Left AIMS has no input from HF Communication Transceiver (left) on HF-L CMC Report Bus (429).     | 31-42 TASK 884        |
| 31-69912             | Right AIMS has no input from HF Communication Transceiver (left) on HF-L CMC Report Bus (429).    | 31-42 TASK 884        |
| 31-69913             | Left AIMS has no input from HF Communication Transceiver (right) on HF-R CMC Report Bus (429).    | 31-42 TASK 884        |
| 31-69914             | Right AIMS has no input from HF Communication Transceiver (right) on HF-R CMC Report Bus (429).   | 31-42 TASK 884        |
| 31-69915             | Left AIMS has no input from VHF Communication Transceiver (left) on VHF-L CMC Input Bus (429).    | 31-42 TASK 885        |
| 31-69916             | Right AIMS has no input from VHF Communication Transceiver (left) on VHF-L CMC Input Bus (429).   | 31-42 TASK 885        |
| 31-69917             | Left AIMS has no input from VHF Communication Transceiver (right) on VHF-R CMC Input Bus (429).   | 31-42 TASK 885        |
| 31-69918             | Right AIMS has no input from VHF Communication Transceiver (right) on VHF-R CMC Input Bus (429).  | 31-42 TASK 885        |
| 31-69919             | Left AIMS has no input from VHF Communication Transceiver (center) on VHF-C CMC Input Bus (429).  | 31-42 TASK 885        |
| 31-69920             | Right AIMS has no input from VHF Communication Transceiver (center) on VHF-C CMC Input Bus (429). | 31-42 TASK 885        |
| 31-69921             | Left AIMS has no input from Radio Tuning Panel (left) on RTP-L Bus 1 (429).                       | 31-42 TASK 886        |
| 31-69922             | Right AIMS has no input from Radio Tuning Panel (left) on RTP-L Bus 1 (429).                      | 31-42 TASK 886        |
| 31-69923             | Left AIMS has no input from Radio Tuning Panel (right) on RTP-R Bus 1 (429).                      | 31-42 TASK 886        |
| 31-69924             | Right AIMS has no input from Radio Tuning Panel (right) on RTP-R Bus 1 (429).                     | 31-42 TASK 886        |
| 31-69925             | Left AIMS has no input from Radio Tuning Panel (center) on RTP-C Bus 1 (429).                     | 31-42 TASK 886        |
| 31-69926             | Right AIMS has no input from Radio Tuning Panel (center) on RTP-C Bus 1 (429).                    | 31-42 TASK 886        |
| 31-69927             | Left AIMS has no input from Satellite Data Unit (left) on SDU-L CFDS Bus (429).                   | 31-42 TASK 887        |
| 31-69928             | Right AIMS has no input from Satellite Data Unit (left) on SDU-L CFDS Bus (429).                  | 31-42 TASK 887        |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                                           | GO TO FIM TASK |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-69931      | Left AIMS has no input from Satellite Data Unit (left) on SDU-L Data to CMU Bus (429).                                                                                                                                                                                                                                                                                                 | 31-42 TASK 887 |
| 31-69932      | Right AIMS has no input from Satellite Data Unit (left) on SDU-L Data to CMU Bus (429).                                                                                                                                                                                                                                                                                                | 31-42 TASK 887 |
| 31-69935      | Left AIMS has no input from Window Heat Ctrl Unit (LFwd & RSide) on Window Heat System-L Output Bus (429).                                                                                                                                                                                                                                                                             | 31-42 TASK 888 |
| 31-69936      | Right AIMS has no input from Window Heat Ctrl Unit (LFwd & RSide) on Window Heat System-L Output Bus (429).                                                                                                                                                                                                                                                                            | 31-42 TASK 888 |
| 31-69937      | Left AIMS has no input from Window Heat Ctrl Unit (RFwd & LSide) on Window Heat System-R Output Bus (429).                                                                                                                                                                                                                                                                             | 31-42 TASK 888 |
| 31-69938      | Right AIMS has no input from Window Heat Ctrl Unit (RFwd & LSide) on Window Heat System-R Output Bus (429).                                                                                                                                                                                                                                                                            | 31-42 TASK 888 |
| 31-69939      | Left AIMS has no input from Clock (left) on Left Clock Data Bus (429).                                                                                                                                                                                                                                                                                                                 | 31-42 TASK 889 |
| 31-69940      | Right AIMS has no input from Clock (right) on Right Clock Data Bus (429).                                                                                                                                                                                                                                                                                                              | 31-42 TASK 889 |
| 31-69941      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Left AIMS has no input from Flight Deck Printer on Printer Output Bus (429).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Left AIMS has no input from Printer on Printer Output Bus (429).   | 31-42 TASK 890 |
| 31-69942      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Right AIMS has no input from Flight Deck Printer on Printer Output Bus (429).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Right AIMS has no input from Printer on Printer Output Bus (429). | 31-42 TASK 890 |
| 31-69945      | Left AIMS has no input from ADF Receiver (left) on ADF-L Bearing #1 Bus (429).                                                                                                                                                                                                                                                                                                         | 31-42 TASK 892 |
| 31-69946      | Right AIMS has no input from ADF Receiver (left) on ADF-L Bearing #2 Bus (429).                                                                                                                                                                                                                                                                                                        | 31-42 TASK 892 |
| 31-69947      | Left AIMS has no input from ADF Receiver (right) on ADF-R Bearing #1 Bus (429).                                                                                                                                                                                                                                                                                                        | 31-42 TASK 892 |
| 31-69948      | Right AIMS has no input from ADF Receiver (right) on ADF-R Bearing #2 Bus (429).                                                                                                                                                                                                                                                                                                       | 31-42 TASK 892 |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                              | <b>GO TO FIM TASK</b> |
|----------------------|--------------------------------------------------------------------------------------------------|-----------------------|
| 31-69949             | Left AIMS has no input from ATC/Mode S Transponder (left) on ATC-L XT Coord #1 Bus (429).        | 31-42 TASK 893        |
| 31-69950             | Right AIMS has no input from ATC/Mode S Transponder (left) on ATC-L XT Coord #1 Bus (429).       | 31-42 TASK 893        |
| 31-69951             | Left AIMS has no input from ATC/Mode S Transponder (right) on ATC-R XT Coord #2 Bus (429).       | 31-42 TASK 893        |
| 31-69952             | Right AIMS has no input from ATC/Mode S Transponder (right) on ATC-R XT Coord #2 Bus (429).      | 31-42 TASK 893        |
| 31-69953             | Left AIMS has no input from ATC/Mode S Transponder (left) on ATC-L CMC Bus (429).                | 31-42 TASK 894        |
| 31-69954             | Right AIMS has no input from ATC/Mode S Transponder (left) on ATC-L CMC Bus (429).               | 31-42 TASK 894        |
| 31-69955             | Left AIMS has no input from ATC/Mode S Transponder (right) on ATC-R CMC Bus (429).               | 31-42 TASK 894        |
| 31-69956             | Right AIMS has no input from ATC/Mode S Transponder (right) on ATC-R CMC Bus (429).              | 31-42 TASK 894        |
| 31-69957             | Left AIMS has no input from DME Interrogator (left) on DME-L Distance Data #1 Bus (429).         | 31-42 TASK 895        |
| 31-69958             | Right AIMS has no input from DME Interrogator (left) on DME-L Distance Data #2 Bus (429).        | 31-42 TASK 895        |
| 31-69959             | Left AIMS has no input from DME Interrogator (right) on DME-R Distance Data #1 Bus (429).        | 31-42 TASK 895        |
| 31-69960             | Right AIMS has no input from DME Interrogator (right) on DME-R Distance Data #2 Bus (429).       | 31-42 TASK 895        |
| 31-69965*            | Left AIMS has no input from Ground Proximity Warning Computer on GPWC CMC Input Bus (429).       | 31-42 TASK 897        |
| 31-69966*            | Right AIMS has no input from Ground Proximity Warning Computer on GPWC CMC Input Bus (429).      | 31-42 TASK 897        |
| 31-69973*            | Left AIMS has no input from Radio Altimeter Transceiver (left) on RA-L Altitude #1 Bus (429).    | 31-42 TASK 899        |
| 31-69974*            | Right AIMS has no input from Radio Altimeter Transceiver (left) on RA-L Altitude #1 Bus (429).   | 31-42 TASK 899        |
| 31-69975*            | Left AIMS has no input from Radio Altimeter Transceiver (center) on RA-C Altitude #1 Bus (429).  | 31-42 TASK 899        |
| 31-69976*            | Right AIMS has no input from Radio Altimeter Transceiver (center) on RA-C Altitude #1 Bus (429). | 31-42 TASK 899        |
| 31-69977*            | Left AIMS has no input from Radio Altimeter Transceiver (right) on RA-R Altitude #1 Bus (429).   | 31-42 TASK 899        |
| 31-69978*            | Right AIMS has no input from Radio Altimeter Transceiver (right) on RA-R Altitude #1 Bus (429).  | 31-42 TASK 899        |

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|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-69983      | Left AIMS has no input from Standby Airspeed Indicator or ISFD on Standby Airspeed CMC Bus (429).                                                                                                                                                                                                                                                                                                                                                                                                                            | 31-42 TASK 902 |
| 31-69985      | Left AIMS has no input from TCAS Computer on TCAS TA/RA #1 Bus (429).                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 31-42 TASK 903 |
| 31-69986      | Right AIMS has no input from TCAS Computer on TCAS TA/RA #1 Bus (429).                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 31-42 TASK 903 |
| 31-69987      | Left AIMS has no input from TCAS Computer on TCAS TA/RA #2 Bus (429).                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 31-42 TASK 903 |
| 31-69988      | Right AIMS has no input from TCAS Computer on TCAS TA/RA #2 Bus (429).                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 31-42 TASK 903 |
| 31-69989      | Left AIMS has no input from TCAS Computer on TCAS CMCS Bus (429).                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 31-42 TASK 904 |
| 31-69990      | Right AIMS has no input from TCAS Computer on TCAS CMCS Bus (429).                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 31-42 TASK 904 |
| 31-69991      | Left AIMS has no input from VOR/MB Receiver (left) on VOR-L Omnibearing #1 Bus (429).                                                                                                                                                                                                                                                                                                                                                                                                                                        | 31-42 TASK 905 |
| 31-69992      | Right AIMS has no input from VOR/MB Receiver (left) on VOR-L Omnibearing #2 Bus (429).                                                                                                                                                                                                                                                                                                                                                                                                                                       | 31-42 TASK 905 |
| 31-69993      | Left AIMS has no input from VOR/MB Receiver (right) on VOR-R Omnibearing #1 Bus (429).                                                                                                                                                                                                                                                                                                                                                                                                                                       | 31-42 TASK 905 |
| 31-69994      | Right AIMS has no input from VOR/MB Receiver (right) on VOR-R Omnibearing #2 Bus (429).                                                                                                                                                                                                                                                                                                                                                                                                                                      | 31-42 TASK 905 |
| 31-69995*     | <b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br>Left AIMS has no input from WXR Transceiver (left) on WXR-L RT Maint. Bus (429).<br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Left AIMS has no input from WXR Transceiver or Radar Processor (Left) on WXR-L Maint. Bus (429).<br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Left AIMS has no input from WXR Transceiver or Radar Processor (left) on WXR-L Maint. Bus (429). | 31-42 TASK 906 |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | GO TO FIM TASK |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-69996*     | <b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br>Right AIMS has no input from WXR Transceiver (left) on WXR-L RT Maint. Bus (429).<br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Right AIMS has no input from WXR Transceiver or Radar Processor (Left) on WXR-L Maint. Bus (429).<br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Right AIMS has no input from WXR Transceiver or Radar Processor (left) on WXR-L Maint. Bus (429).    | 31-42 TASK 906 |
| 31-69997*     | <b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br>Left AIMS has no input from WXR Transceiver (right) on WXR-R RT Maint. Bus (429).<br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Left AIMS has no input from WXR Transceiver or Radar Processor (Right) on WXR-R Maint. Bus (429).<br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Left AIMS has no input from WXR Transceiver or Radar Processor (right) on WXR-R Maint. Bus (429).    | 31-42 TASK 906 |
| 31-69998*     | <b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br>Right AIMS has no input from WXR Transceiver (right) on WXR-R RT Maint. Bus (429).<br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Right AIMS has no input from WXR Transceiver or Radar Processor (Right) on WXR-R Maint. Bus (429).<br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Right AIMS has no input from WXR Transceiver or Radar Processor (right) on WXR-R Maint. Bus (429). | 31-42 TASK 906 |
| 31-70001      | Left AIMS has no input from Network File Server (Left) on the PlaneNet.                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 31-42 TASK 918 |
| 31-70002      | Right AIMS has no input from Network File Server (Left) on the PlaneNet.                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 31-42 TASK 919 |
| 31-70011      | Warning Electronic Unit (left) has an internal failure.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 31-51 TASK 801 |
| 31-70012      | Warning Electronic Unit (right) has an internal failure.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 31-51 TASK 821 |
| 31-70021      | Warning Electronic System has incorrect software configuration.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 31-51 TASK 802 |
| 31-70022      | Warning Electronic System has incorrect software configuration.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 31-51 TASK 822 |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                         | <b>GO TO FIM TASK</b> |
|----------------------|---------------------------------------------------------------------------------------------|-----------------------|
| 31-70031             | Warning Electronic Unit (left channel 1) has an ARINC 629 fault.                            | 31-51 TASK 959        |
| 31-70032             | Warning Electronic Unit (left channel 2) has an ARINC 629 fault.                            | 31-51 TASK 960        |
| 31-70033             | Warning Electronic Unit (right channel 1) has an ARINC 629 fault.                           | 31-51 TASK 961        |
| 31-70034             | Warning Electronic Unit (right channel 2) has an ARINC 629 fault.                           | 31-51 TASK 962        |
| 31-70035             | Warning Electronic Unit (left channel 1) speaker circuit is open.                           | 31-51 TASK 963        |
| 31-70036             | Warning Electronic Unit (right channel 1) speaker circuit is open.                          | 31-51 TASK 964        |
| 31-70037             | Warning Electronic Unit (left) Master Warning Light circuit is open.                        | 31-51 TASK 965        |
| 31-70038             | Warning Electronic Unit (right) Master Warning Light circuit is open.                       | 31-51 TASK 966        |
| 31-71011*            | Airplane has exceeded VFE overspeed by 15 knots.                                            | 05-51 TASK 810        |
| 31-71012*            | Airplane has exceeded VMO or MMO overspeed by 20 knots.                                     | 05-51 TASK 809        |
| 31-72011             | ACIPS Control Card wing or engine ice data is invalid.                                      | 31-51 TASK 971        |
| 31-72012             | ACIPS Control Card wing or engine ice data is invalid.                                      | 31-51 TASK 971        |
| 31-72021             | ADIRU and SAARU data is invalid.                                                            | 31-51 TASK 972        |
| 31-72022             | ADIRU and SAARU data is invalid.                                                            | 31-51 TASK 972        |
| 31-72031             | Autopilot Flight Director Computer data is invalid.                                         | 31-51 TASK 973        |
| 31-72032             | Autopilot Flight Director Computer data is invalid.                                         | 31-51 TASK 973        |
| 31-72051             | Engine Data Interface Unit (Left and Right) throttle resolver angle signal is invalid.      | 31-51 TASK 974        |
| 31-72052             | Engine Data Interface Unit (Left and Right) throttle resolver angle signal is invalid.      | 31-51 TASK 974        |
| 31-72061             | Displays (in Left or Right AIMS) Left or Right Engine N1 or takeoff thrust data is invalid. | 31-51 TASK 975        |
| 31-72062             | Displays (in Left or Right AIMS) Left or Right Engine N1 or takeoff thrust data is invalid. | 31-51 TASK 975        |
| 31-72081             | FMCF in Left and Right AIMS CG, Gross Weight, or Derate signals are invalid.                | 31-51 TASK 976        |
| 31-72082             | FMCF in Left and Right AIMS CG, Gross Weight, or Derate signals are invalid.                | 31-51 TASK 976        |
| 31-72091             | FSEU 1 and FSEU 2 Flap or Slat position or flap lever data is invalid.                      | 31-51 TASK 977        |
| 31-72092             | FSEU 1 and FSEU 2 Flap or Slat position or flap lever data is invalid.                      | 31-51 TASK 977        |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                 | GO TO FIM TASK |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-72111      | DCGF (in Left and Right AIMS) Left or Right Fuel Switch data is invalid.                                                                                                                                                                                                                                                     | 31-51 TASK 978 |
| 31-72112      | DCGF (in Left and Right AIMS) Left or Right Fuel Switch data is invalid.                                                                                                                                                                                                                                                     | 31-51 TASK 978 |
| 31-72121      | Mode Control Panel selected Attitude data is invalid.                                                                                                                                                                                                                                                                        | 31-51 TASK 979 |
| 31-72122      | Mode Control Panel selected Attitude data is invalid.                                                                                                                                                                                                                                                                        | 31-51 TASK 979 |
| 31-72131      | Primary Flight Computer data is invalid.                                                                                                                                                                                                                                                                                     | 31-51 TASK 980 |
| 31-72132      | Primary Flight Computer data is invalid.                                                                                                                                                                                                                                                                                     | 31-51 TASK 980 |
| 31-72161      | Primary Flight Display Baro corrected altitude data is invalid.                                                                                                                                                                                                                                                              | 31-51 TASK 981 |
| 31-72162      | Primary Flight Display Baro corrected altitude data is invalid.                                                                                                                                                                                                                                                              | 31-51 TASK 981 |
| 31-72171      | PSEU 2 passenger or cargo door or gear position data is invalid.                                                                                                                                                                                                                                                             | 31-51 TASK 982 |
| 31-72172      | PSEU 2 passenger or cargo door or gear position data is invalid.                                                                                                                                                                                                                                                             | 31-51 TASK 982 |
| 31-72181      | PSEU 1 gear position data is invalid.                                                                                                                                                                                                                                                                                        | 31-51 TASK 983 |
| 31-72182      | PSEU 1 gear position data is invalid.                                                                                                                                                                                                                                                                                        | 31-51 TASK 983 |
| 31-72191      | DCGF (in Left and Right AIMS) Parking Brake Handle Released data is invalid.                                                                                                                                                                                                                                                 | 31-51 TASK 984 |
| 31-72192      | DCGF (in Left and Right AIMS) Parking Brake Handle Released data is invalid.                                                                                                                                                                                                                                                 | 31-51 TASK 984 |
| 31-72201      | Radio Altimeter Transceiver data is invalid.                                                                                                                                                                                                                                                                                 | 31-51 TASK 985 |
| 31-72202      | Radio Altimeter Transceiver data is invalid.                                                                                                                                                                                                                                                                                 | 31-51 TASK 985 |
| 31-72210      | Warning Electronic Unit OPC variable is out of range.                                                                                                                                                                                                                                                                        | 31-51 TASK 986 |
| 31-78020      | Warning Electronic System nose gear pressure transducer output is out of range or invalid.                                                                                                                                                                                                                                   | 31-51 TASK 990 |
| 31-78050      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>ALT GEAR DOWN Switch signals do not agree.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>ALT GEAR DOWN switch signals do not agree. | 31-51 TASK 902 |
| 31-78051      | Warning Electronic Unit (left channel 1) nose gear pressure switch voltage signals do not agree.                                                                                                                                                                                                                             | 31-51 TASK 903 |
| 31-78052      | Warning Electronic Unit (left channel 2) nose gear pressure switch voltage signals do not agree.                                                                                                                                                                                                                             | 31-51 TASK 903 |
| 31-78053      | Warning Electronic Unit (right channel 1) nose gear pressure switch voltage signals do not agree.                                                                                                                                                                                                                            | 31-51 TASK 904 |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                                                                                                                                                                                                          | <b>GO TO FIM TASK</b> |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-78054             | Warning Electronic Unit (right channel 2) nose gear pressure switch voltage signals do not agree.                                                                                                                                                                                                                            | 31-51 TASK 904        |
| 31-78055             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>ALT GEAR DOWN Switch signals do not agree.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>ALT GEAR DOWN switch signals do not agree. | 31-51 TASK 905        |
| 31-78056             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>ALT GEAR DOWN Switch signals do not agree.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>ALT GEAR DOWN switch signals do not agree. | 31-51 TASK 905        |
| 31-78071             | Master Warning Light (MWL) input signals to WEU-L1 do not agree.                                                                                                                                                                                                                                                             | 31-51 TASK 906        |
| 31-78073             | Master Warning Light (MWL) input signals to WEU-R1 do not agree.                                                                                                                                                                                                                                                             | 31-51 TASK 907        |
| 31-78090             | GND PROX GEAR Switch signal is out of range.                                                                                                                                                                                                                                                                                 | 31-51 TASK 824        |
| 31-78091             | GND PROX GEAR Switch signal is out of range.                                                                                                                                                                                                                                                                                 | 31-51 TASK 910        |
| 31-78092             | GND PROX GEAR Switch signal is out of range.                                                                                                                                                                                                                                                                                 | 31-51 TASK 911        |
| 31-78130             | Main Gear Steering Control Unit steering locked signals do not agree.                                                                                                                                                                                                                                                        | 31-51 TASK 892        |
| 31-78131             | Warning Electronic Unit (left channel 1) steering locked signals do not agree.                                                                                                                                                                                                                                               | 31-51 TASK 912        |
| 31-78132             | Warning Electronic Unit (left channel 2) steering locked signals do not agree.                                                                                                                                                                                                                                               | 31-51 TASK 912        |
| 31-78133             | Warning Electronic Unit (right channel 1) steering locked signals do not agree.                                                                                                                                                                                                                                              | 31-51 TASK 913        |
| 31-78134             | Warning Electronic Unit (right channel 2) steering locked signals do not agree.                                                                                                                                                                                                                                              | 31-51 TASK 913        |
| 31-78135             | Main Gear Steering Control Unit steering locked signals do not agree.                                                                                                                                                                                                                                                        | 31-51 TASK 914        |
| 31-78136             | Main Gear Steering Control Unit steering locked signals do not agree.                                                                                                                                                                                                                                                        | 31-51 TASK 914        |
| 31-78150*            | Autopilot Flight Director Computers autopilot disconnect warning signals do not agree.                                                                                                                                                                                                                                       | 31-51 TASK 893        |
| 31-78151*            | Warning Electronic Unit (left channel 1) autopilot disconnect warning signals do not agree.                                                                                                                                                                                                                                  | 31-51 TASK 915        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                          | <b>GO TO FIM TASK</b> |
|----------------------|----------------------------------------------------------------------------------------------|-----------------------|
| 31-78152*            | Warning Electronic Unit (left channel 2) autopilot disconnect warning signals do not agree.  | 31-51 TASK 915        |
| 31-78153*            | Warning Electronic Unit (right channel 1) autopilot disconnect warning signals do not agree. | 31-51 TASK 916        |
| 31-78154*            | Warning Electronic Unit (right channel 2) autopilot disconnect warning signals do not agree. | 31-51 TASK 916        |
| 31-78155*            | Autopilot Flight Director Computers autopilot disconnect warning signals do not agree.       | 31-51 TASK 917        |
| 31-78156*            | Autopilot Flight Director Computers autopilot disconnect warning signals do not agree.       | 31-51 TASK 917        |
| 31-78170             | Aural Enable signals do not agree.                                                           | 31-51 TASK 894        |
| 31-78171             | Aural Enable input signals to WEU-L1 do not agree.                                           | 31-51 TASK 937        |
| 31-78172             | Aural Enable input signals to WEU-L2 do not agree.                                           | 31-51 TASK 937        |
| 31-78173             | Aural Enable input signals to WEU-R1 do not agree.                                           | 31-51 TASK 938        |
| 31-78174             | Aural Enable input signals to WEU-R2 do not agree.                                           | 31-51 TASK 938        |
| 31-78190             | APU Fire Detection Card APU fire signal voltage is out of range.                             | 31-51 TASK 895        |
| 31-78191             | Warning Electronic Unit (left channel 1) APU fire signal voltage is out of range.            | 31-51 TASK 918        |
| 31-78192             | Warning Electronic Unit (left channel 2) APU fire signal voltage is out of range.            | 31-51 TASK 918        |
| 31-78193             | Warning Electronic Unit (right channel 1) APU fire signal voltage is out of range.           | 31-51 TASK 919        |
| 31-78194             | Warning Electronic Unit (right channel 2) APU fire signal voltage is out of range.           | 31-51 TASK 919        |
| 31-78195             | APU Fire Detection Card APU fire signal voltage is out of range.                             | 31-51 TASK 920        |
| 31-78196             | APU Fire Detection Card APU fire signal voltage is out of range.                             | 31-51 TASK 920        |
| 31-78210             | Engine Fire Detection Card (left) engine fire signal voltage is out of range.                | 31-51 TASK 896        |
| 31-78211             | Warning Electronic Unit (left channel 1) engine fire signal voltage is out of range.         | 31-51 TASK 921        |
| 31-78212             | Warning Electronic Unit (left channel 2) engine fire signal voltage is out of range.         | 31-51 TASK 921        |
| 31-78213             | Warning Electronic Unit (right channel 1) engine fire signal voltage is out of range.        | 31-51 TASK 922        |
| 31-78214             | Warning Electronic Unit (right channel 2) engine fire signal voltage is out of range.        | 31-51 TASK 922        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                             | <b>GO TO FIM TASK</b> |
|----------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-78215             | Engine Fire Detection Card (left) engine fire signal voltage is out of range.                                   | 31-51 TASK 923        |
| 31-78216             | Engine Fire Detection Card (left) engine fire signal voltage is out of range.                                   | 31-51 TASK 923        |
| 31-78230             | Engine Fire Detection Card (right) engine fire signal voltage is out of range.                                  | 31-51 TASK 897        |
| 31-78231             | Warning Electronic Unit (left channel 1) engine fire signal voltage is out of range.                            | 31-51 TASK 924        |
| 31-78232             | Warning Electronic Unit (left channel 2) engine fire signal voltage is out of range.                            | 31-51 TASK 924        |
| 31-78233             | Warning Electronic Unit (right channel 1) engine fire signal voltage is out of range.                           | 31-51 TASK 925        |
| 31-78234             | Warning Electronic Unit (right channel 2) engine fire signal voltage is out of range.                           | 31-51 TASK 925        |
| 31-78235             | Engine Fire Detection Card (right) engine fire signal voltage is out of range.                                  | 31-51 TASK 926        |
| 31-78236             | Engine Fire Detection Card (right) engine fire signal voltage is out of range.                                  | 31-51 TASK 926        |
| 31-78301             | Aural Arm from Left Channel 1 to the Aural Enable in Right Channel 1 and Right Channel 2 is failed high or low. | 31-51 TASK 927        |
| 31-78302             | Aural Arm from Left Channel 2 to the Aural Enable in Right Channel 1 and Right Channel 2 is failed high or low. | 31-51 TASK 927        |
| 31-78303             | Aural Arm from Right Channel 1 to the Aural Enable in Left Channel 1 and Left Channel 2 is failed high or low.  | 31-51 TASK 928        |
| 31-78304             | Aural Arm from Right Channel 2 to the Aural Enable in Left Channel 1 and Left Channel 2 is failed high or low.  | 31-51 TASK 928        |
| 31-78311             | MWL Arm from Left Channel 1 to the MWL Enable in Right Channel 1 and Right Channel 2 is failed high or low.     | 31-51 TASK 929        |
| 31-78312             | MWL Arm from Left Channel 2 to the MWL Enable in Right Channel 1 and Right Channel 2 is failed high or low.     | 31-51 TASK 929        |
| 31-78313             | MWL Arm from Right Channel 1 to the MWL Enable in Left Channel 1 and Left Channel 2 is failed high or low.      | 31-51 TASK 930        |
| 31-78314             | MWL Arm from Right Channel 2 to the MWL Enable in Left Channel 1 and Left Channel 2 is failed high or low.      | 31-51 TASK 930        |
| 31-78321             | Warning Electronic Unit (left channel 1) has an ARINC 429 output fault.                                         | 31-51 TASK 931        |
| 31-78322             | Warning Electronic Unit (left channel 2) has an ARINC 429 output fault.                                         | 31-51 TASK 932        |
| 31-78323             | Warning Electronic Unit (right channel 1) has an ARINC 429 output fault.                                        | 31-51 TASK 933        |

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|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-78324      | Warning Electronic Unit (right channel 2) has an ARINC 429 output fault.                                                                                                                                                                                                                                                                                                                                                                     | 31-51 TASK 934 |
| 31-78801      | Warning Electronic Unit (left) has no output on any bus.                                                                                                                                                                                                                                                                                                                                                                                     | 31-51 TASK 801 |
| 31-78802      | Warning Electronic Unit (right) has no output on any bus.                                                                                                                                                                                                                                                                                                                                                                                    | 31-51 TASK 821 |
| 31-78841      | Warning Electronic Unit (left) has no output on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                                                                 | 31-51 TASK 825 |
| 31-78851      | Warning Electronic Unit (left) has no output on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                                                                                                             | 31-51 TASK 826 |
| 31-78852      | Warning Electronic Unit (right) has no output on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                                                                                                            | 31-51 TASK 898 |
| 31-78862      | Warning Electronic Unit (right) has no output on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                                                                                               | 31-51 TASK 827 |
| 31-78891      | Warning Electronic Unit (left) has no output on WEU L1 OAP1 ARINC 429 Bus.                                                                                                                                                                                                                                                                                                                                                                   | 31-51 TASK 828 |
| 31-78892      | Warning Electronic Unit (right) has no output on WEU R2 OAP1 ARINC 429 Bus.                                                                                                                                                                                                                                                                                                                                                                  | 31-51 TASK 803 |
| 31-78893      | Warning Electronic Unit (left) has no output on WEU L2 OAP1 ARINC 429 Bus.                                                                                                                                                                                                                                                                                                                                                                   | 31-51 TASK 829 |
| 31-78894      | Warning Electronic Unit (right) has no output on WEU R1 OAP1 ARINC 429 Bus.                                                                                                                                                                                                                                                                                                                                                                  | 31-51 TASK 830 |
| 31-79401      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Warning Electronic Unit (left channel 1) has no input from Any LRU on System ARINC 629 Bus (left).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Warning Electronic Unit (left channel 1) has no input from any LRU on System ARINC 629 Bus (left). | 31-51 TASK 804 |
| 31-79402      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Warning Electronic Unit (left channel 2) has no input from Any LRU on System ARINC 629 Bus (left).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Warning Electronic Unit (left channel 2) has no input from any LRU on System ARINC 629 Bus (left). | 31-51 TASK 805 |
| 31-79405      | Warning Electronic Unit (left channel 1) has no input from Autopilot Flight Director Computer (Left) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                         | 31-51 TASK 806 |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                  | <b>GO TO FIM TASK</b> |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-79407             | Warning Electronic Unit (left channel 2) has no input from Autopilot Flight Director Computer (Left) on System ARINC 629 Bus (left). | 31-51 TASK 807        |
| 31-79421             | Warning Electronic Unit (left channel 1) has no input from Left AIMS on System ARINC 629 Bus (left).                                 | 31-51 TASK 831        |
| 31-79423             | Warning Electronic Unit (left channel 2) has no input from Left AIMS on System ARINC 629 Bus (left).                                 | 31-51 TASK 808        |
| 31-79425             | Warning Electronic Unit (left channel 1) has no input from Right AIMS on System ARINC 629 Bus (left).                                | 31-51 TASK 809        |
| 31-79427             | Warning Electronic Unit (left channel 2) has no input from Right AIMS on System ARINC 629 Bus (left).                                | 31-51 TASK 810        |
| 31-79429             | Warning Electronic Unit (left channel 1) has no input from ARINC Signal Gateway (left), LSCF on System ARINC 629 Bus (left).         | 31-51 TASK 811        |
| 31-79431             | Warning Electronic Unit (left channel 2) has no input from ARINC Signal Gateway (left), LSCF on System ARINC 629 Bus (left).         | 31-51 TASK 812        |
| 31-79433             | Warning Electronic Unit (left channel 1) has no input from ARINC Signal Gateway (left), RSCF on System ARINC 629 Bus (left).         | 31-51 TASK 813        |
| 31-79435             | Warning Electronic Unit (left channel 2) has no input from ARINC Signal Gateway (left), RSCF on System ARINC 629 Bus (left).         | 31-51 TASK 814        |
| 31-79437             | Warning Electronic Unit (left channel 1) has no input from FSEU 1 on System ARINC 629 Bus (left).                                    | 31-51 TASK 815        |
| 31-79439             | Warning Electronic Unit (left channel 2) has no input from FSEU 1 on System ARINC 629 Bus (left).                                    | 31-51 TASK 816        |
| 31-79445             | Warning Electronic Unit (left channel 1) has no input from Overhead Panel Bus Controller (L) on System ARINC 629 Bus (left).         | 31-51 TASK 817        |
| 31-79447             | Warning Electronic Unit (left channel 2) has no input from Overhead Panel Bus Controller (L) on System ARINC 629 Bus (left).         | 31-51 TASK 818        |
| 31-79449             | Warning Electronic Unit (left channel 1) has no input from Overhead Panel Bus Controller (R) on System ARINC 629 Bus (left).         | 31-51 TASK 819        |
| 31-79451             | Warning Electronic Unit (left channel 2) has no input from Overhead Panel Bus Controller (R) on System ARINC 629 Bus (left).         | 31-51 TASK 820        |
| 31-79453             | Warning Electronic Unit (left channel 1) has no input from PSEU 1 (L1) on System ARINC 629 Bus (left).                               | 31-51 TASK 832        |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                                                                                                           | GO TO FIM TASK |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-79455      | Warning Electronic Unit (left channel 2) has no input from PSEU 1 (L1) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                                                 | 31-51 TASK 833 |
| 31-79457      | Warning Electronic Unit (left channel 1) has no input from PSEU 2 (L2) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                                                 | 31-51 TASK 834 |
| 31-79459      | Warning Electronic Unit (left channel 2) has no input from PSEU 2 (L2) on System ARINC 629 Bus (left).                                                                                                                                                                                                                                                                                                                                                 | 31-51 TASK 835 |
| 31-79501      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Warning Electronic Unit (left channel 1) has no input from Any LRU on System ARINC 629 Bus (center 1).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Warning Electronic Unit (left channel 1) has no input from any LRU on System ARINC 629 Bus (center 1).   | 31-51 TASK 836 |
| 31-79502      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Warning Electronic Unit (right channel 1) has no input from Any LRU on System ARINC 629 Bus (center 1).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Warning Electronic Unit (right channel 1) has no input from any LRU on System ARINC 629 Bus (center 1). | 31-51 TASK 837 |
| 31-79503      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Warning Electronic Unit (left channel 2) has no input from Any LRU on System ARINC 629 Bus (center 1).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Warning Electronic Unit (left channel 2) has no input from any LRU on System ARINC 629 Bus (center 1).   | 31-51 TASK 838 |
| 31-79504      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Warning Electronic Unit (right channel 2) has no input from Any LRU on System ARINC 629 Bus (center 1).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Warning Electronic Unit (right channel 2) has no input from any LRU on System ARINC 629 Bus (center 1). | 31-51 TASK 839 |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                         | <b>GO TO FIM TASK</b> |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-79509             | Warning Electronic Unit (left channel 1) has no input from Autopilot Flight Director Computer (Center) on System ARINC 629 Bus (center 1).  | 31-51 TASK 840        |
| 31-79510             | Warning Electronic Unit (right channel 1) has no input from Autopilot Flight Director Computer (Center) on System ARINC 629 Bus (center 1). | 31-51 TASK 841        |
| 31-79511             | Warning Electronic Unit (left channel 2) has no input from Autopilot Flight Director Computer (Center) on System ARINC 629 Bus (center 1).  | 31-51 TASK 842        |
| 31-79512             | Warning Electronic Unit (right channel 2) has no input from Autopilot Flight Director Computer (Center) on System ARINC 629 Bus (center 1). | 31-51 TASK 843        |
| 31-79521             | Warning Electronic Unit (left channel 1) has no input from Left AIMS on System ARINC 629 Bus (center 1).                                    | 31-51 TASK 844        |
| 31-79522             | Warning Electronic Unit (right channel 1) has no input from Left AIMS on System ARINC 629 Bus (center 1).                                   | 31-51 TASK 845        |
| 31-79523             | Warning Electronic Unit (left channel 2) has no input from Left AIMS on System ARINC 629 Bus (center 1).                                    | 31-51 TASK 846        |
| 31-79524             | Warning Electronic Unit (right channel 2) has no input from Left AIMS on System ARINC 629 Bus (center 1).                                   | 31-51 TASK 847        |
| 31-79525             | Warning Electronic Unit (left channel 1) has no input from Right AIMS on System ARINC 629 Bus (center 1).                                   | 31-51 TASK 848        |
| 31-79526             | Warning Electronic Unit (right channel 1) has no input from Right AIMS on System ARINC 629 Bus (center 1).                                  | 31-51 TASK 849        |
| 31-79527             | Warning Electronic Unit (left channel 2) has no input from Right AIMS on System ARINC 629 Bus (center 1).                                   | 31-51 TASK 850        |
| 31-79528             | Warning Electronic Unit (right channel 2) has no input from Right AIMS on System ARINC 629 Bus (center 1).                                  | 31-51 TASK 851        |
| 31-79537             | Warning Electronic Unit (left channel 1) has no input from FSEU 1 Monitor Channel on System ARINC 629 Bus (center 1).                       | 31-51 TASK 852        |
| 31-79538             | Warning Electronic Unit (right channel 1) has no input from FSEU 1 Monitor Channel on System ARINC 629 Bus (center 1).                      | 31-51 TASK 853        |
| 31-79539             | Warning Electronic Unit (left channel 2) has no input from FSEU 1 Monitor Channel on System ARINC 629 Bus (center 1).                       | 31-51 TASK 854        |
| 31-79540             | Warning Electronic Unit (right channel 2) has no input from FSEU 1 Monitor Channel on System ARINC 629 Bus (center 1).                      | 31-51 TASK 855        |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>GO TO FIM TASK</b> |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-79541             | Warning Electronic Unit (left channel 1) has no input from FSEU 2 Monitor Channel on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                                                                            | 31-51 TASK 856        |
| 31-79542             | Warning Electronic Unit (right channel 1) has no input from FSEU 2 Monitor Channel on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                                                                           | 31-51 TASK 857        |
| 31-79543             | Warning Electronic Unit (left channel 2) has no input from FSEU 2 Monitor Channel on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                                                                            | 31-51 TASK 858        |
| 31-79544             | Warning Electronic Unit (right channel 2) has no input from FSEU 2 Monitor Channel on System ARINC 629 Bus (center 1).                                                                                                                                                                                                                                                                                                                           | 31-51 TASK 859        |
| 31-79603             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Warning Electronic Unit (right channel 1) has no input from Any LRU on System ARINC 629 Bus (right).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Warning Electronic Unit (right channel 1) has no input from any LRU on System ARINC 629 Bus (right). | 31-51 TASK 860        |
| 31-79604             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Warning Electronic Unit (right channel 2) has no input from Any LRU on System ARINC 629 Bus (right).<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Warning Electronic Unit (right channel 2) has no input from any LRU on System ARINC 629 Bus (right). | 31-51 TASK 861        |
| 31-79614             | Warning Electronic Unit (right channel 1) has no input from Autopilot Flight Director Computer (Right) on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                                          | 31-51 TASK 862        |
| 31-79616             | Warning Electronic Unit (right channel 2) has no input from Autopilot Flight Director Computer (Right) on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                                          | 31-51 TASK 863        |
| 31-79622             | Warning Electronic Unit (right channel 1) has no input from Left AIMS on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                                                                           | 31-51 TASK 864        |
| 31-79624             | Warning Electronic Unit (right channel 2) has no input from Left AIMS on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                                                                           | 31-51 TASK 865        |
| 31-79626             | Warning Electronic Unit (right channel 1) has no input from Right AIMS on System ARINC 629 Bus (right).                                                                                                                                                                                                                                                                                                                                          | 31-51 TASK 866        |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                             | <b>GO TO FIM TASK</b> |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-79628             | Warning Electronic Unit (right channel 2) has no input from Right AIMS on System ARINC 629 Bus (right).                         | 31-51 TASK 867        |
| 31-79630             | Warning Electronic Unit (right channel 1) has no input from ARINC Signal Gateway (right), LSCF on System ARINC 629 Bus (right). | 31-51 TASK 868        |
| 31-79632             | Warning Electronic Unit (right channel 2) has no input from ARINC Signal Gateway (right), LSCF on System ARINC 629 Bus (right). | 31-51 TASK 869        |
| 31-79634             | Warning Electronic Unit (right channel 1) has no input from ARINC Signal Gateway (right), RSCF on System ARINC 629 Bus (right). | 31-51 TASK 870        |
| 31-79636             | Warning Electronic Unit (right channel 2) has no input from ARINC Signal Gateway (right), RSCF on System ARINC 629 Bus (right). | 31-51 TASK 871        |
| 31-79642             | Warning Electronic Unit (right channel 1) has no input from FSEU 2 on System ARINC 629 Bus (right).                             | 31-51 TASK 872        |
| 31-79644             | Warning Electronic Unit (right channel 2) has no input from FSEU 2 on System ARINC 629 Bus (right).                             | 31-51 TASK 873        |
| 31-79646             | Warning Electronic Unit (right channel 1) has no input from Overhead Panel Bus Controller (L) on System ARINC 629 Bus (right).  | 31-51 TASK 874        |
| 31-79648             | Warning Electronic Unit (right channel 2) has no input from Overhead Panel Bus Controller (L) on System ARINC 629 Bus (right).  | 31-51 TASK 875        |
| 31-79650             | Warning Electronic Unit (right channel 1) has no input from Overhead Panel Bus Controller (R) on System ARINC 629 Bus (right).  | 31-51 TASK 876        |
| 31-79652             | Warning Electronic Unit (right channel 2) has no input from Overhead Panel Bus Controller (R) on System ARINC 629 Bus (right).  | 31-51 TASK 877        |
| 31-79654             | Warning Electronic Unit (right channel 1) has no input from PSEU 1 (R1) on System ARINC 629 Bus (right).                        | 31-51 TASK 878        |
| 31-79656             | Warning Electronic Unit (right channel 2) has no input from PSEU 1 (R1) on System ARINC 629 Bus (right).                        | 31-51 TASK 879        |
| 31-79658             | Warning Electronic Unit (right channel 1) has no input from PSEU 2 (R2) on System ARINC 629 Bus (right).                        | 31-51 TASK 880        |
| 31-79660             | Warning Electronic Unit (right channel 2) has no input from PSEU 2 (R2) on System ARINC 629 Bus (right).                        | 31-51 TASK 881        |
| 31-79905             | Warning Electronic Unit (left channel 1) has no input from Warning Electronic Unit (left channel 2) on WEU Backplane Bus.       | 31-51 TASK 882        |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>GO TO FIM TASK</b> |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-79906             | Warning Electronic Unit (right channel 1) has no input from Warning Electronic Unit (right channel 2) on WEU Backplane Bus.                                                                                                                                                                                                                                                                                                                                      | 31-51 TASK 883        |
| 31-79907             | Warning Electronic Unit (left channel 2) has no input from Warning Electronic Unit (left channel 1) on WEU Backplane Bus.                                                                                                                                                                                                                                                                                                                                        | 31-51 TASK 884        |
| 31-79908             | Warning Electronic Unit (right channel 2) has no input from Warning Electronic Unit (right channel 1) on WEU Backplane Bus.                                                                                                                                                                                                                                                                                                                                      | 31-51 TASK 967        |
| 31-79909             | Warning Electronic Unit (left channel 1) has no input from Warning Electronic Unit (right channel 1) on WEU L1 IAP2 ARINC 429 Bus.                                                                                                                                                                                                                                                                                                                               | 31-51 TASK 885        |
| 31-79910             | Warning Electronic Unit (right channel 1) has no input from Warning Electronic Unit (left channel 1) on WEU R1 IAP2 ARINC 429 Bus.                                                                                                                                                                                                                                                                                                                               | 31-51 TASK 886        |
| 31-79911             | Warning Electronic Unit (left channel 2) has no input from Warning Electronic Unit (right channel 2) on WEU L2 IAP2 ARINC 429 Bus.                                                                                                                                                                                                                                                                                                                               | 31-51 TASK 887        |
| 31-79912             | Warning Electronic Unit (right channel 2) has no input from Warning Electronic Unit (left channel 2) on WEU R2 IAP2 ARINC 429 Bus.                                                                                                                                                                                                                                                                                                                               | 31-51 TASK 888        |
| 31-79913             | Warning Electronic Unit (left channel 1) has no input from Warning Electronic Unit (right channel 2) on WEU L2 IAP2 ARINC 429 Bus.                                                                                                                                                                                                                                                                                                                               | 31-51 TASK 889        |
| 31-79914             | Warning Electronic Unit (right channel 1) has no input from Warning Electronic Unit (left channel 2) on WEU R2 IAP2 ARINC 429 Bus.                                                                                                                                                                                                                                                                                                                               | 31-51 TASK 890        |
| 31-79915             | Warning Electronic Unit (left channel 2) has no input from Warning Electronic Unit (right channel 1) on WEU L1 IAP2 ARINC 429 Bus.                                                                                                                                                                                                                                                                                                                               | 31-51 TASK 943        |
| 31-79916             | Warning Electronic Unit (right channel 2) has no input from Warning Electronic Unit (left channel 1) on WEU R1 IAP2 ARINC 429 Bus.                                                                                                                                                                                                                                                                                                                               | 31-51 TASK 944        |
| 31-79917             | <b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Warning Electronic Unit (right) has no input from Warning Electronic Unit (left channel 1) on ARINC 429 Bus.<br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Warning Electronic Unit (right) has no input from Warning Electronic Unit (left channel 1) on ARINC 429 bus. | 31-51 TASK 935        |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                                                                                                                     | GO TO FIM TASK |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-79918      | <b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Warning Electronic Unit (left) has no input from Warning Electronic Unit (right channel 1) on ARINC 429 Bus.<br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Warning Electronic Unit (left) has no input from Warning Electronic Unit (right channel 1) on ARINC 429 bus. | 31-51 TASK 936 |
| 31-79919      | <b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Warning Electronic Unit (right) has no input from Warning Electronic Unit (left channel 2) on ARINC 429 Bus.<br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Warning Electronic Unit (right) has no input from Warning Electronic Unit (left channel 2) on ARINC 429 bus. | 31-51 TASK 941 |
| 31-79920      | <b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Warning Electronic Unit (left) has no input from Warning Electronic Unit (right channel 2) on ARINC 429 Bus.<br><b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Warning Electronic Unit (left) has no input from Warning Electronic Unit (right channel 2) on ARINC 429 bus. | 31-51 TASK 942 |
| 31-80010      | Display Function in Left AIMS and in Right AIMS have incorrect software configuration.                                                                                                                                                                                                                                                                                                                                                                           | 31-61 TASK 829 |
| 31-80020*     | Display Function in Left AIMS and in Right AIMS have incorrect software configuration.                                                                                                                                                                                                                                                                                                                                                                           | 31-61 TASK 829 |
| 31-80111      | Display Unit (Left Outboard) has an internal fault.                                                                                                                                                                                                                                                                                                                                                                                                              | 31-61 TASK 880 |
| 31-80112      | Display Unit (Left Outboard) has an internal fault.                                                                                                                                                                                                                                                                                                                                                                                                              | 31-61 TASK 881 |
| 31-80121      | Display Unit (Left Inboard) has an internal fault.                                                                                                                                                                                                                                                                                                                                                                                                               | 31-61 TASK 882 |
| 31-80122      | Display Unit (Left Inboard) has an internal fault.                                                                                                                                                                                                                                                                                                                                                                                                               | 31-61 TASK 883 |
| 31-80131      | Display Unit (Center Upper) has an internal fault.                                                                                                                                                                                                                                                                                                                                                                                                               | 31-61 TASK 884 |
| 31-80132      | Display Unit (Center Upper) has an internal fault.                                                                                                                                                                                                                                                                                                                                                                                                               | 31-61 TASK 885 |
| 31-80141      | Display Unit (Center Lower) has an internal fault or an ARINC 429 feedback fault.                                                                                                                                                                                                                                                                                                                                                                                | 31-61 TASK 886 |
| 31-80142      | Display Unit (Center Lower) has an internal fault or an ARINC 429 feedback fault.                                                                                                                                                                                                                                                                                                                                                                                | 31-61 TASK 887 |
| 31-80151      | Display Unit (Right Inboard) has an internal fault.                                                                                                                                                                                                                                                                                                                                                                                                              | 31-61 TASK 888 |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                 | <b>GO TO FIM TASK</b> |
|----------------------|-------------------------------------------------------------------------------------|-----------------------|
| 31-80152             | Display Unit (Right Inboard) has an internal fault.                                 | 31-61 TASK 889        |
| 31-80161             | Display Unit (Right Outboard) has an internal fault or an ARINC 429 feedback fault. | 31-61 TASK 890        |
| 31-80162             | Display Unit (Right Outboard) has an internal fault.                                | 31-61 TASK 891        |
| 31-80171             | Remote Light Sensor (Left) is faulted.                                              | 31-61 TASK 892        |
| 31-80172             | Remote Light Sensor (Right) is faulted.                                             | 31-61 TASK 893        |
| 31-80181             | Left AIMS analog input signals from clock switch (left) are invalid.                | 31-25 TASK 805        |
| 31-80182             | Right AIMS analog input signals from clock switch (right) are invalid.              | 31-25 TASK 806        |
| 31-80211             | Display Unit (Left Outboard) has no input from CPM/GG(M010) in Left AIMS on coax.   | 31-43 TASK 891        |
| 31-80212             | Display Unit (Left Outboard) has no input from CPM/GG(M010) in Right AIMS on coax.  | 31-43 TASK 891        |
| 31-80213             | Display Unit (Left Outboard) has no input from CPM/GG(M011) in Left AIMS on coax.   | 31-43 TASK 891        |
| 31-80214             | Display Unit (Left Outboard) has no input from CPM/GG(M011) in Right AIMS on coax.  | 31-43 TASK 891        |
| 31-80221             | Display Unit (Left Inboard) has no input from CPM/GG(M010) in Left AIMS on coax.    | 31-43 TASK 891        |
| 31-80222             | Display Unit (Left Inboard) has no input from CPM/GG(M010) in Right AIMS on coax.   | 31-43 TASK 891        |
| 31-80223             | Display Unit (Left Inboard) has no input from CPM/GG(M011) in Left AIMS on coax.    | 31-43 TASK 891        |
| 31-80224             | Display Unit (Left Inboard) has no input from CPM/GG(M011) in Right AIMS on coax.   | 31-43 TASK 891        |
| 31-80231             | Display Unit (Center Upper) has no input from CPM/GG(M010) in Left AIMS on coax.    | 31-43 TASK 891        |
| 31-80232             | Display Unit (Center Upper) has no input from CPM/GG(M010) in Right AIMS on coax.   | 31-43 TASK 891        |
| 31-80233             | Display Unit (Center Upper) has no input from CPM/GG(M011) in Left AIMS on coax.    | 31-43 TASK 891        |
| 31-80234             | Display Unit (Center Upper) has no input from CPM/GG(M011) in Right AIMS on coax.   | 31-43 TASK 891        |
| 31-80241             | Display Unit (Right Inboard) has no input from CPM/GG(M010) in Left AIMS on coax.   | 31-43 TASK 891        |
| 31-80242             | Display Unit (Right Inboard) has no input from CPM/GG(M010) in Right AIMS on coax.  | 31-43 TASK 891        |
| 31-80243             | Display Unit (Right Inboard) has no input from CPM/GG(M011) in Left AIMS on coax.   | 31-43 TASK 891        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                 | <b>GO TO FIM TASK</b> |
|----------------------|-------------------------------------------------------------------------------------|-----------------------|
| 31-80244             | Display Unit (Right Inboard) has no input from CPM/GG(M011) in Right AIMS on coax.  | 31-43 TASK 891        |
| 31-80251             | Display Unit (Right Outboard) has no input from CPM/GG(M010) in Left AIMS on coax.  | 31-43 TASK 891        |
| 31-80252             | Display Unit (Right Outboard) has no input from CPM/GG(M010) in Right AIMS on coax. | 31-43 TASK 891        |
| 31-80253             | Display Unit (Right Outboard) has no input from CPM/GG(M011) in Left AIMS on coax.  | 31-43 TASK 891        |
| 31-80254             | Display Unit (Right Outboard) has no input from CPM/GG(M011) in Right AIMS on coax. | 31-43 TASK 891        |
| 31-80261             | Display Unit (Center Lower) has no input from CPM/GG(M010) in Left AIMS on coax.    | 31-43 TASK 891        |
| 31-80262             | Display Unit (Center Lower) has no input from CPM/GG(M010) in Right AIMS on coax.   | 31-43 TASK 891        |
| 31-80263             | Display Unit (Center Lower) has no input from CPM/GG(M011) in Left AIMS on coax.    | 31-43 TASK 891        |
| 31-80264             | Display Unit (Center Lower) has no input from CPM/GG(M011) in Right AIMS on coax.   | 31-43 TASK 891        |
| 31-81001             | Display Function in Left AIMS has incorrect software configuration.                 | 31-61 TASK 811        |
| 31-81002             | Display Function in Right AIMS has incorrect software configuration.                | 31-61 TASK 812        |
| 31-81011*            | Display Function in Left AIMS has incorrect software configuration.                 | 31-61 TASK 811        |
| 31-81012*            | Display Function in Right AIMS has incorrect software configuration.                | 31-61 TASK 812        |
| 31-81021             | Checklist Airline DB has incorrect data.                                            | 31-61 TASK 951        |
| 31-81022             | Checklist Airline DB has incorrect data.                                            | 31-61 TASK 952        |
| 31-81031             | Checklist Boeing DB has incorrect data.                                             | 31-61 TASK 957        |
| 31-81032             | Checklist Boeing DB has incorrect data.                                             | 31-61 TASK 958        |
| 31-81041*            | Display Function in Left AIMS has an internal software fault.                       | 31-61 TASK 803        |
| 31-81042*            | Display Function in Right AIMS has an internal software fault.                      | 31-61 TASK 804        |
| 31-81051*            | Display Function in Left AIMS has an internal fault.                                | 31-61 TASK 940        |
| 31-81052*            | Display Function in Right AIMS has an internal fault.                               | 31-61 TASK 802        |
| 31-81081             | CPM/GG(M010) in Left AIMS has no output on coax.                                    | 31-61 TASK 813        |
| 31-81082             | CPM/GG(M010) in Right AIMS has no output on coax.                                   | 31-61 TASK 830        |
| 31-82001             | Display Function in Left AIMS has incorrect software configuration.                 | 31-61 TASK 814        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                          | <b>GO TO FIM TASK</b> |
|----------------------|----------------------------------------------------------------------------------------------|-----------------------|
| 31-82002             | Display Function in Right AIMS has incorrect software configuration.                         | 31-61 TASK 831        |
| 31-82011*            | Display Function in Left AIMS has incorrect software configuration.                          | 31-61 TASK 814        |
| 31-82012*            | Display Function in Right AIMS has incorrect software configuration.                         | 31-61 TASK 831        |
| 31-82021             | Checklist Airline DB has incorrect data.                                                     | 31-61 TASK 953        |
| 31-82022             | Checklist Airline DB has incorrect data.                                                     | 31-61 TASK 954        |
| 31-82031             | Checklist Boeing DB has incorrect data.                                                      | 31-61 TASK 959        |
| 31-82032             | Checklist Boeing DB has incorrect data.                                                      | 31-61 TASK 960        |
| 31-82041*            | Display Function in Left AIMS has an internal software fault.                                | 31-61 TASK 807        |
| 31-82042*            | Display Function in Right AIMS has an internal software fault.                               | 31-61 TASK 808        |
| 31-82051*            | Display Function in Left AIMS has an internal fault.                                         | 31-61 TASK 805        |
| 31-82052*            | Display Function in Right AIMS has an internal fault.                                        | 31-61 TASK 806        |
| 31-82081             | CPM/GG(M011) in Left AIMS has no output on coax.                                             | 31-61 TASK 815        |
| 31-82082             | CPM/GG(M011) in Right AIMS has no output on coax.                                            | 31-61 TASK 832        |
| 31-82211             | CPM/GG DU DB in Left AIMS CPM/GG(M010) is not compatible with Display Unit (Left Outboard).  | 31-43 TASK 894        |
| 31-82212             | CPM/GG DU DB in Right AIMS CPM/GG(M010) is not compatible with Display Unit (Left Outboard). | 31-43 TASK 895        |
| 31-82213             | CPM/GG DU DB in Left AIMS CPM/GG(M011) is not compatible with Display Unit (Left Outboard).  | 31-43 TASK 896        |
| 31-82214             | CPM/GG DU DB in Right AIMS CPM/GG(M011) is not compatible with Display Unit (Left Outboard). | 31-43 TASK 897        |
| 31-82221             | CPM/GG DU DB in Left AIMS CPM/GG(M010) is not compatible with Display Unit (Left Inboard).   | 31-43 TASK 894        |
| 31-82222             | CPM/GG DU DB in Right AIMS CPM/GG(M010) is not compatible with Display Unit (Left Inboard).  | 31-43 TASK 895        |
| 31-82223             | CPM/GG DU DB in Left AIMS CPM/GG(M011) is not compatible with Display Unit (Left Inboard).   | 31-43 TASK 896        |
| 31-82224             | CPM/GG DU DB in Right AIMS CPM/GG(M011) is not compatible with Display Unit (Left Inboard).  | 31-43 TASK 897        |
| 31-82231             | CPM/GG DU DB in Left AIMS CPM/GG(M010) is not compatible with Display Unit (Center Upper).   | 31-43 TASK 894        |
| 31-82232             | CPM/GG DU DB in Right AIMS CPM/GG(M010) is not compatible with Display Unit (Center Upper).  | 31-43 TASK 895        |
| 31-82233             | CPM/GG DU DB in Left AIMS CPM/GG(M011) is not compatible with Display Unit (Center Upper).   | 31-43 TASK 896        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                            | <b>GO TO FIM TASK</b> |
|----------------------|----------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-82234             | CPM/GG DU DB in Right AIMS CPM/GG(M011) is not compatible with Display Unit (Center Upper).                    | 31-43 TASK 897        |
| 31-82241             | CPM/GG DU DB in Left AIMS CPM/GG(M010) is not compatible with Display Unit (Right Inboard).                    | 31-43 TASK 894        |
| 31-82242             | CPM/GG DU DB in Right AIMS CPM/GG(M010) is not compatible with Display Unit (Right Inboard).                   | 31-43 TASK 895        |
| 31-82243             | CPM/GG DU DB in Left AIMS CPM/GG(M011) is not compatible with Display Unit (Right Inboard).                    | 31-43 TASK 896        |
| 31-82244             | CPM/GG DU DB in Right AIMS CPM/GG(M011) is not compatible with Display Unit (Right Inboard).                   | 31-43 TASK 897        |
| 31-82251             | CPM/GG DU DB in Left AIMS CPM/GG(M010) is not compatible with Display Unit (Right Outboard).                   | 31-43 TASK 894        |
| 31-82252             | CPM/GG DU DB in Right AIMS CPM/GG(M010) is not compatible with Display Unit (Right Outboard).                  | 31-43 TASK 895        |
| 31-82253             | CPM/GG DU DB in Left AIMS CPM/GG(M011) is not compatible with Display Unit (Right Outboard).                   | 31-43 TASK 896        |
| 31-82254             | CPM/GG DU DB in Right AIMS CPM/GG(M011) is not compatible with Display Unit (Right Outboard).                  | 31-43 TASK 897        |
| 31-82261             | CPM/GG DU DB in Left AIMS CPM/GG(M010) is not compatible with Display Unit (Center Lower).                     | 31-43 TASK 894        |
| 31-82262             | CPM/GG DU DB in Right AIMS CPM/GG(M010) is not compatible with Display Unit (Center Lower).                    | 31-43 TASK 895        |
| 31-82263             | CPM/GG DU DB in Left AIMS CPM/GG(M011) is not compatible with Display Unit (Center Lower).                     | 31-43 TASK 896        |
| 31-82264             | CPM/GG DU DB in Right AIMS CPM/GG(M011) is not compatible with Display Unit (Center Lower).                    | 31-43 TASK 897        |
| 31-83011             | Displays-1 in Left AIMS has no input from CMCF in Left AIMS on the AIMS Backplane.                             | 31-61 TASK 863        |
| 31-83012             | Displays-1 in Right AIMS has no input from CMCF in Left AIMS on AIMS Intercabinet Buses (3) and (4).           | 31-61 TASK 864        |
| 31-83013             | Displays-1 in Left AIMS has no input from CMCF in Right AIMS on AIMS Intercabinet Buses (3) and (4).           | 31-61 TASK 865        |
| 31-83014             | Displays-1 in Right AIMS has no input from CMCF in Right AIMS on the AIMS Backplane.                           | 31-61 TASK 866        |
| 31-83021             | Displays-2 in Left AIMS has no input from CMCF in Left AIMS on the AIMS Backplane.                             | 31-61 TASK 894        |
| 31-83022             | Displays-2 in Right AIMS has no input from CMCF in Left AIMS on AIMS Intercabinet ARINC 629 Buses (3) and (4). | 31-61 TASK 895        |
| 31-83023             | Displays-2 in Left AIMS has no input from CMCF in Right AIMS on AIMS Intercabinet Buses (3) and (4).           | 31-61 TASK 896        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                               | <b>GO TO FIM TASK</b> |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-83024             | Displays-2 in Right AIMS has no input from CMCF in Right AIMS on the AIMS Backplane.                                              | 31-61 TASK 897        |
| 31-83071             | Displays-1 in Left AIMS has no input from DCMF in Left AIMS on the AIMS Backplane.                                                | 31-61 TASK 863        |
| 31-83072             | Displays-1 in Right AIMS has no input from DCMF in Left AIMS on AIMS Intercabinet Buses (3) and (4).                              | 31-61 TASK 864        |
| 31-83073             | Displays-1 in Left AIMS has no input from DCMF in Right AIMS on AIMS Intercabinet Buses (3) and (4).                              | 31-61 TASK 865        |
| 31-83074             | Displays-1 in Right AIMS has no input from DCMF in Right AIMS on the AIMS Backplane.                                              | 31-61 TASK 866        |
| 31-83081             | Displays-2 in Left AIMS has no input from DCMF in Left AIMS on the AIMS Backplane.                                                | 31-61 TASK 894        |
| 31-83082             | Displays-2 in Right AIMS has no input from DCMF in Left AIMS on AIMS Intercabinet Buses (3) and (4).                              | 31-61 TASK 895        |
| 31-83083             | Displays-2 in Left AIMS has no input from DCMF in Right AIMS on AIMS Intercabinet Buses (3) and (4).                              | 31-61 TASK 896        |
| 31-83084             | Displays-2 in Right AIMS has no input from DCMF in Right AIMS on the AIMS Backplane.                                              | 31-61 TASK 897        |
| 31-83091             | Displays-1 in Left AIMS has no input from DFDAF in Left AIMS on the AIMS Backplane.                                               | 31-61 TASK 863        |
| 31-83092             | Displays-1 in Right AIMS has no input from DFDAF in Left AIMS on AIMS Intercabinet Buses (1) and (2).                             | 31-61 TASK 864        |
| 31-83093             | Displays-1 in Left AIMS has no input from DFDAF in Right AIMS on AIMS Intercabinet ARINC 629 Buses (1) and (2).                   | 31-61 TASK 865        |
| 31-83094             | Displays-1 in Right AIMS has no input from DFDAF in Right AIMS on the AIMS Backplane.                                             | 31-61 TASK 866        |
| 31-83101             | Displays-2 in Left AIMS has no input from DFDAF in Left AIMS on the AIMS Backplane.                                               | 31-61 TASK 894        |
| 31-83102             | Displays-2 in Right AIMS has no input from DFDAF in Left AIMS on AIMS Intercabinet Buses (1) and (2).                             | 31-61 TASK 895        |
| 31-83103             | Displays-2 in Left AIMS has no input from DFDAF in Right AIMS on AIMS Intercabinet Buses (1) and (2).                             | 31-61 TASK 896        |
| 31-83104             | Displays-2 in Right AIMS has no input from DFDAF in Right AIMS on the AIMS Backplane.                                             | 31-61 TASK 897        |
| 31-83111             | Displays-1 in Left AIMS has no input from Displays-1 in Left AIMS on the AIMS Backplane.                                          | 31-61 TASK 905        |
| 31-83112             | Displays-1 in Right AIMS has no input from Displays-1 in Left AIMS on AIMS Intrcab A629 Bus (1) and System A629 Buses (c1), (c2). | 31-61 TASK 906        |
| 31-83113             | Displays-1 in Left AIMS has no input from Displays-2 in Left AIMS on the AIMS Backplane.                                          | 31-61 TASK 867        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                               | <b>GO TO FIM TASK</b> |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-83114             | Displays-1 in Right AIMS has no input from Displays-2 in Left AIMS on AIMS Intrcab A629 Bus (1) and System A629 Buses (c1), (c2). | 31-61 TASK 907        |
| 31-83121             | Displays-2 in Left AIMS has no input from Displays-1 in Left AIMS on the AIMS Backplane.                                          | 31-61 TASK 867        |
| 31-83122             | Displays-2 in Right AIMS has no input from Displays-1 in Left AIMS on AIMS Intrcab A629 Bus (1) and System A629 Buses (c1), (c2). | 31-61 TASK 908        |
| 31-83123             | Displays-2 in Left AIMS has no input from Displays-2 in Left AIMS on the AIMS Backplane.                                          | 31-61 TASK 909        |
| 31-83124             | Displays-2 in Right AIMS has no input from Displays-2 in Left AIMS on AIMS Intrcab A629 Bus (1) and System A629 Buses (c1), (c2). | 31-61 TASK 910        |
| 31-83131             | Displays-1 in Left AIMS has no input from Displays-1 in Right AIMS on AIMS Intrcab A629 Bus (1) and System A629 Buses (c1), (c2). | 31-61 TASK 911        |
| 31-83132             | Displays-1 in Right AIMS has no input from Displays-1 in Right AIMS on the AIMS Backplane.                                        | 31-61 TASK 912        |
| 31-83133             | Displays-1 in Left AIMS has no input from Displays-2 in Right AIMS on AIMS Intrcab A629 Bus (1) and System A629 Buses (c1), (c2). | 31-61 TASK 913        |
| 31-83134             | Displays-1 in Right AIMS has no input from Displays-2 in Right AIMS on the AIMS Backplane.                                        | 31-61 TASK 869        |
| 31-83141             | Displays-2 in Left AIMS has no input from Displays-1 in Right AIMS on AIMS Intrcab A629 Bus (1) and System A629 Buses (c1), (c2). | 31-61 TASK 914        |
| 31-83142             | Displays-2 in Right AIMS has no input from Displays-1 in Right AIMS on the AIMS Backplane.                                        | 31-61 TASK 869        |
| 31-83143             | Displays-2 in Left AIMS has no input from Displays-2 in Right AIMS on AIMS Intrcab A629 Bus (1) and System A629 Buses (c1), (c2). | 31-61 TASK 915        |
| 31-83144             | Displays-2 in Right AIMS has no input from Displays-2 in Right AIMS on the AIMS Backplane.                                        | 31-61 TASK 916        |
| 31-83151             | Displays-1 in Left AIMS has no input from FDCF in Left AIMS on the AIMS Backplane.                                                | 31-61 TASK 863        |
| 31-83152             | Displays-1 in Right AIMS has no input from FDCF in Left AIMS on AIMS Intercabinet Buses (1) and (2).                              | 31-61 TASK 864        |
| 31-83153             | Displays-1 in Left AIMS has no input from FDCF in Right AIMS on AIMS Intercabinet Buses (1) and (2).                              | 31-61 TASK 865        |
| 31-83154             | Displays-1 in Right AIMS has no input from FDCF in Right AIMS on the AIMS Backplane.                                              | 31-61 TASK 866        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                  | <b>GO TO FIM TASK</b> |
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| 31-83161             | Displays-2 in Left AIMS has no input from FDCF in Left AIMS on the AIMS Backplane.                   | 31-61 TASK 894        |
| 31-83162             | Displays-2 in Right AIMS has no input from FDCF in Left AIMS on AIMS Intercabinet Buses (1) and (2). | 31-61 TASK 895        |
| 31-83163             | Displays-2 in Left AIMS has no input from FDCF in Right AIMS on AIMS Intercabinet Buses (1) and (2). | 31-61 TASK 896        |
| 31-83164             | Displays-2 in Right AIMS has no input from FDCF in Right AIMS on the AIMS Backplane.                 | 31-61 TASK 897        |
| 31-83171             | Displays-1 in Left AIMS has no input from FMCF in Left AIMS on the AIMS Backplane.                   | 31-61 TASK 874        |
| 31-83172             | Displays-1 in Right AIMS has no input from FMCF in Left AIMS on AIMS Intercabinet Buses (1) and (2). | 31-61 TASK 875        |
| 31-83173             | Displays-1 in Left AIMS has no input from FMCF in Right AIMS on AIMS Intercabinet Buses (3) and (4). | 31-61 TASK 876        |
| 31-83174             | Displays-1 in Right AIMS has no input from FMCF in Right AIMS on the AIMS Backplane.                 | 31-61 TASK 877        |
| 31-83181             | Displays-2 in Left AIMS has no input from FMCF in Left AIMS on the AIMS Backplane.                   | 31-61 TASK 917        |
| 31-83182             | Displays-2 in Right AIMS has no input from FMCF in Left AIMS on AIMS Intercabinet Buses (1) and (2). | 31-61 TASK 918        |
| 31-83183             | Displays-2 in Left AIMS has no input from FMCF in Right AIMS on AIMS Intercabinet Buses (3) and (4). | 31-61 TASK 919        |
| 31-83184             | Displays-2 in Right AIMS has no input from FMCF in Right AIMS on the AIMS Backplane.                 | 31-61 TASK 920        |
| 31-83191             | Displays-1 in Left AIMS has no input from TMCF in Left AIMS on the AIMS Backplane.                   | 31-61 TASK 874        |
| 31-83192             | Displays-1 in Right AIMS has no input from TMCF in Left AIMS on AIMS Intercabinet Buses (3) and (4). | 31-61 TASK 875        |
| 31-83193             | Displays-1 in Left AIMS has no input from TMCF in Right AIMS on AIMS Intercabinet Buses (1) and (2). | 31-61 TASK 876        |
| 31-83194             | Displays-1 in Right AIMS has no input from TMCF in Right AIMS on the AIMS Backplane.                 | 31-61 TASK 877        |
| 31-83201             | Displays-2 in Left AIMS has no input from TMCF in Left AIMS on the AIMS Backplane.                   | 31-61 TASK 917        |
| 31-83202             | Displays-2 in Right AIMS has no input from TMCF in Left AIMS on AIMS Intercabinet Buses (3) and (4). | 31-61 TASK 918        |
| 31-83203             | Displays-2 in Left AIMS has no input from TMCF in Right AIMS on AIMS Intercabinet Buses (1) and (2). | 31-61 TASK 919        |
| 31-83204             | Displays-2 in Right AIMS has no input from TMCF in Right AIMS on the AIMS Backplane.                 | 31-61 TASK 920        |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                                                                                                                                                                                                                                                                  | <b>GO TO FIM TASK</b> |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-83511             | Air Data Inertial Reference System pitch attitude is out of range.                                                                                                                                                                                                                                                                                                                   | 31-51 TASK 945        |
| 31-83512             | Air Data Inertial Reference System pitch attitude is out of range.                                                                                                                                                                                                                                                                                                                   | 31-51 TASK 945        |
| 31-83513             | DME Interrogator (left) distance is out of range.                                                                                                                                                                                                                                                                                                                                    | 31-51 TASK 946        |
| 31-83514             | DME Interrogator (right) distance is out of range.                                                                                                                                                                                                                                                                                                                                   | 31-51 TASK 947        |
| 31-83515             | Air Data Inertial Reference System pitch attitude is out of range.                                                                                                                                                                                                                                                                                                                   | 31-51 TASK 945        |
| 31-83516             | Air Data Inertial Reference System pitch attitude is out of range.                                                                                                                                                                                                                                                                                                                   | 31-51 TASK 945        |
| 31-83521             | EFIS Control Panel (Left) map range does not agree with map range from FMCF.                                                                                                                                                                                                                                                                                                         | 31-61 TASK 878        |
| 31-83522             | EFIS Control Panel (Right) map range does not agree with map range from FMCF.                                                                                                                                                                                                                                                                                                        | 31-61 TASK 879        |
| 31-83523             | EFIS Control Panel (Left) map range does not agree with map range from FMCF and WXR Transceiver.                                                                                                                                                                                                                                                                                     | 31-61 TASK 878        |
| 31-83524             | EFIS Control Panel (Right) map range does not agree with map range from FMCF and WXR Transceiver.                                                                                                                                                                                                                                                                                    | 31-61 TASK 879        |
| 31-83525             | EFIS Control Panel (Left) map range does not agree with map range from WXR Transceiver.                                                                                                                                                                                                                                                                                              | 31-61 TASK 878        |
| 31-83526             | EFIS Control Panel (Right) map range does not agree with map range from WXR Transceiver.                                                                                                                                                                                                                                                                                             | 31-61 TASK 879        |
| 31-83527             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Traffic Alert & Collision Avoidance System (TCAS) Signals are invalid.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Traffic Alert & Collision Avoidance System (TCAS) signals are invalid. | 31-51 TASK 948        |
| 31-83528             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>Traffic Alert & Collision Avoidance System (TCAS) Signals are invalid.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Traffic Alert & Collision Avoidance System (TCAS) signals are invalid. | 31-51 TASK 948        |
| 31-84011*            | Left AIMS has an out of range analog input signal from Oil Quantity Transmitter (L Eng).                                                                                                                                                                                                                                                                                             | 31-48 TASK 806        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                                                                                                                                                                                                                                           | <b>GO TO FIM TASK</b> |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-84012*            | Right AIMS has an out of range analog input signal from Oil Quantity Transmitter (L Eng).                                                                                                                                                                                                                                                                     | 31-48 TASK 807        |
| 31-84021*            | Left AIMS has an out of range analog input signal from Oil Quantity Transmitter (R Eng).                                                                                                                                                                                                                                                                      | 31-48 TASK 808        |
| 31-84022*            | Right AIMS has an out of range analog input signal from Oil Quantity Transmitter (R Eng).                                                                                                                                                                                                                                                                     | 31-48 TASK 809        |
| 31-84101             | Left AIMS has an out of range analog signal from Remote Cabin Pressure Sensor.                                                                                                                                                                                                                                                                                | 21-31 TASK 819        |
| 31-84102             | Right AIMS has an out of range analog signal from Remote Cabin Pressure Sensor.                                                                                                                                                                                                                                                                               | 21-31 TASK 820        |
| 31-84111*            | Electronic Engine Controls have incorrect software configuration.                                                                                                                                                                                                                                                                                             | 31-48 TASK 810        |
| 31-84112*            | Electronic Engine Controls have incorrect software configuration.                                                                                                                                                                                                                                                                                             | 31-48 TASK 810        |
| 31-84131             | Left AIMS has an out of range analog N1 speed input signal from N1 Speed Sensor (L Eng).                                                                                                                                                                                                                                                                      | 31-48 TASK 811        |
| 31-84132             | Right AIMS has an out of range analog N1 speed input signal from N1 Speed Sensor (L Eng).                                                                                                                                                                                                                                                                     | 31-48 TASK 812        |
| 31-84141             | Left AIMS has an out of range analog N1 speed input signal from N1 Speed Sensor (R Eng).                                                                                                                                                                                                                                                                      | 31-48 TASK 813        |
| 31-84142             | Right AIMS has an out of range analog N1 speed input signal from N1 Speed Sensor (R Eng).                                                                                                                                                                                                                                                                     | 31-48 TASK 814        |
| 31-84151             | Left AIMS has an out of range analog N2 speed input signal from N2 Speed Sensor (L Eng).                                                                                                                                                                                                                                                                      | 31-48 TASK 815        |
| 31-84152             | Right AIMS has an out of range analog N2 speed input signal from N2 Speed Sensor (L Eng).                                                                                                                                                                                                                                                                     | 31-48 TASK 816        |
| 31-84161             | Left AIMS has an out of range analog N2 speed input signal from N2 Speed Sensor (R Eng).                                                                                                                                                                                                                                                                      | 31-48 TASK 817        |
| 31-84162             | Right AIMS has an out of range analog N2 speed input signal from N2 Speed Sensor (R Eng).                                                                                                                                                                                                                                                                     | 31-48 TASK 818        |
| 31-85101             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD CAPTAIN ALTITUDE NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD CAPTAIN ALTITUDE NMFDE. | 31-98 TASK 801        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                                                                                                                                                                                                                                                       | <b>GO TO FIM TASK</b> |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-85102             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD FIRST OFFICER ALTITUDE NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD FIRST OFFICER ALTITUDE NMFDE. | 31-98 TASK 801        |
| 31-85103             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD CAPTAIN ATTITUDE NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD CAPTAIN ATTITUDE NMFDE.             | 31-98 TASK 801        |
| 31-85104             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD FIRST OFFICER ATTITUDE NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD FIRST OFFICER ATTITUDE NMFDE. | 31-98 TASK 801        |
| 31-85105             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD CAPTAIN DME FLAG NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD CAPTAIN DME FLAG NMFDE.             | 31-98 TASK 801        |
| 31-85106             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD FIRST OFFICER DME FLAG NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD FIRST OFFICER DME FLAG NMFDE. | 31-98 TASK 801        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                                                                                                                                                                                                                                                                               | <b>GO TO FIM TASK</b> |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-85107             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD CAPTAIN FLIGHT DIRECTOR FLAG NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD CAPTAIN FLIGHT DIRECTOR FLAG NMFDE.             | 31-98 TASK 801        |
| 31-85108             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD FIRST OFFICER FLIGHT DIRECTOR FLAG NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD FIRST OFFICER FLIGHT DIRECTOR FLAG NMFDE. | 31-98 TASK 801        |
| 31-85109             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD CAPTAIN FPV FLAG NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD CAPTAIN FPV FLAG NMFDE.                                     | 31-98 TASK 801        |
| 31-85110             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD FIRST OFFICER FPV FLAG NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD FIRST OFFICER FPV FLAG NMFDE.                         | 31-98 TASK 801        |
| 31-85111             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD CAPTAIN G/S FLAG NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD CAPTAIN G/S FLAG NMFDE.                                     | 31-98 TASK 801        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                                                                                                                                                                                                                                                                       | <b>GO TO FIM TASK</b> |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-85112             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD FIRST OFFICER G/S FLAG NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD FIRST OFFICER G/S FLAG NMFDE.                 | 31-98 TASK 801        |
| 31-85113             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD CAPTAIN HEADING NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD CAPTAIN HEADING NMFDE.                               | 31-98 TASK 801        |
| 31-85114             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD FIRST OFFICER HEADING NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD FIRST OFFICER HEADING NMFDE.                   | 31-98 TASK 801        |
| 31-85115             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD CAPTAIN LANDING ALTITUDE NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD CAPTAIN LANDING ALTITUDE NMFDE.             | 31-98 TASK 801        |
| 31-85116             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD FIRST OFFICER LANDING ALTITUDE NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD FIRST OFFICER LANDING ALTITUDE NMFDE. | 31-98 TASK 801        |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                                  | GO TO FIM TASK |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-85117      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD CAPTAIN LNAV AMBER NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD CAPTAIN LNAV AMBER NMFDE.             | 31-98 TASK 801 |
| 31-85118      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD FIRST OFFICER LNAV AMBER NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD FIRST OFFICER LNAV AMBER NMFDE. | 31-98 TASK 801 |
| 31-85119      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD CAPTAIN LOC NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD CAPTAIN LOC NMFDE.                           | 31-98 TASK 801 |
| 31-85120      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD FIRST OFFICER LOC NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD FIRST OFFICER LOC NMFDE.               | 31-98 TASK 801 |
| 31-85121      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD CAPTAIN RADIO ALTITUDE NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD CAPTAIN RADIO ALTITUDE NMFDE.     | 31-98 TASK 801 |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                                          | GO TO FIM TASK |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-85122      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD FIRST OFFICER RADIO ALTITUDE NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD FIRST OFFICER RADIO ALTITUDE NMFDE. | 31-98 TASK 801 |
| 31-85123      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD CAPTAIN SEL SPD FLAG NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD CAPTAIN SEL SPD FLAG NMFDE.                 | 31-98 TASK 801 |
| 31-85124      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD FIRST OFFICER SEL SPD FLAG NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD FIRST OFFICER SEL SPD FLAG NMFDE.     | 31-98 TASK 801 |
| 31-85125      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD CAPTAIN SPEED FLAG NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD CAPTAIN SPEED FLAG NMFDE.                     | 31-98 TASK 801 |
| 31-85126      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD FIRST OFFICER SPEED FLAG NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD FIRST OFFICER SPEED FLAG NMFDE.         | 31-98 TASK 801 |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                                    | GO TO FIM TASK |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-85127      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD CAPTAIN SPEED LIMIT NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD CAPTAIN SPEED LIMIT NMFDE.             | 31-98 TASK 801 |
| 31-85128      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD FIRST OFFICER SPEED LIMIT NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD FIRST OFFICER SPEED LIMIT NMFDE. | 31-98 TASK 801 |
| 31-85129      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD CAPTAIN VERT FLAG NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD CAPTAIN VERT FLAG NMFDE.                 | 31-98 TASK 801 |
| 31-85130      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD FIRST OFFICER VERT FLAG NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD FIRST OFFICER VERT FLAG NMFDE.     | 31-98 TASK 801 |
| 31-85131      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD CAPTAIN VNAV AMBER NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD CAPTAIN VNAV AMBER NMFDE.               | 31-98 TASK 801 |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                                  | GO TO FIM TASK |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-85132      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a PFD FIRST OFFICER VNAV AMBER NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a PFD FIRST OFFICER VNAV AMBER NMFDE. | 31-98 TASK 801 |
| 31-85201      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND CAPTAIN ADF LEFT NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND CAPTAIN ADF LEFT NMFDE.                   | 31-98 TASK 801 |
| 31-85202      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND FIRST OFFICER ADF LEFT.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND FIRST OFFICER ADF LEFT.                   | 31-98 TASK 801 |
| 31-85203      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND CAPTAIN ADF RIGHT NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND CAPTAIN ADF RIGHT NMFDE.                 | 31-98 TASK 801 |
| 31-85204      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND FIRST OFFICER ADF RIGHT NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND FIRST OFFICER ADF RIGHT NMFDE.     | 31-98 TASK 801 |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                                                                                                                                                                                                                                                     | <b>GO TO FIM TASK</b> |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-85205             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND CAPTAIN DME NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND CAPTAIN DME NMFDE.                       | 31-98 TASK 801        |
| 31-85206             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND FIRST OFFICER DME NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND FIRST OFFICER DME NMFDE.           | 31-98 TASK 801        |
| 31-85207             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND CAPTAIN DME LEFT NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND CAPTAIN DME LEFT NMFDE.             | 31-98 TASK 801        |
| 31-85208             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND FIRST OFFICER DME LEFT NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND FIRST OFFICER DME LEFT NMFDE. | 31-98 TASK 801        |
| 31-85209             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND CAPTAIN DME RIGHT NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND CAPTAIN DME RIGHT NMFDE.           | 31-98 TASK 801        |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                              | GO TO FIM TASK |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-85210      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND FIRST OFFICER DME RIGHT NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND FIRST OFFICER DME RIGHT NMFDE. | 31-98 TASK 801 |
| 31-85211      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND CAPTAIN G/S FLAG NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND CAPTAIN G/S FLAG NMFDE.               | 31-98 TASK 801 |
| 31-85212      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND FIRST OFFICER G/S FLAG NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND FIRST OFFICER G/S FLAG NMFDE.   | 31-98 TASK 801 |
| 31-85213      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND CAPTAIN HEADING NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND CAPTAIN HEADING NMFDE.                 | 31-98 TASK 801 |
| 31-85214      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND FIRST OFFICER HEADING NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND FIRST OFFICER HEADING NMFDE.     | 31-98 TASK 801 |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                                              | GO TO FIM TASK |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-85215      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND CAPTAIN LOC FLAG NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND CAPTAIN LOC FLAG NMFDE.                               | 31-98 TASK 801 |
| 31-85216      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND FIRST OFFICER LOC FLAG NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND FIRST OFFICER LOC FLAG NMFDE.                   | 31-98 TASK 801 |
| 31-85217      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND CAPTAIN MAP GND SPD FAULT NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND CAPTAIN MAP GND SPD FAULT NMFDE.             | 31-98 TASK 801 |
| 31-85218      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND FIRST OFFICER MAP GND SPD FAULT NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND FIRST OFFICER MAP GND SPD FAULT NMFDE. | 31-98 TASK 801 |
| 31-85219      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND CAPTAIN MAP MAPBG FAULT NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND CAPTAIN MAP MAPBG FAULT NMFDE.                 | 31-98 TASK 801 |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                                          | GO TO FIM TASK |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-85220      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND FIRST OFFICER MAP MAPBG FAULT NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND FIRST OFFICER MAP MAPBG FAULT NMFDE. | 31-98 TASK 801 |
| 31-85221      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND CAPTAIN MAP PPOS FAULT NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND CAPTAIN MAP PPOS FAULT NMFDE.               | 31-98 TASK 801 |
| 31-85222      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND FIRST OFFICER MAP PPOS FAULT NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND FIRST OFFICER MAP PPOS FAULT NMFDE.   | 31-98 TASK 801 |
| 31-85223      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND CAPTAIN TCAS NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND CAPTAIN TCAS NMFDE.                                   | 31-98 TASK 801 |
| 31-85224      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND FIRST OFFICER TCAS NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND FIRST OFFICER TCAS NMFDE.                       | 31-98 TASK 801 |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                      | GO TO FIM TASK |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-85225      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND CAPTAIN TRACK NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND CAPTAIN TRACK NMFDE.             | 31-98 TASK 801 |
| 31-85226      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND FIRST OFFICER TRACK NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND FIRST OFFICER TRACK NMFDE. | 31-98 TASK 801 |
| 31-85227      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND CAPTAIN VOR NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND CAPTAIN VOR NMFDE.                 | 31-98 TASK 801 |
| 31-85228      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND FIRST OFFICER VOR NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND FIRST OFFICER VOR NMFDE.     | 31-98 TASK 801 |
| 31-85229      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND CAPTAIN VOR LEFT NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND CAPTAIN VOR LEFT NMFDE.       | 31-98 TASK 801 |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                                                                                                                                                                                                                                                       | <b>GO TO FIM TASK</b> |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-85230             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND FIRST OFFICER VOR LEFT NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND FIRST OFFICER VOR LEFT NMFDE.   | 31-98 TASK 801        |
| 31-85231             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND CAPTAIN VOR RIGHT NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND CAPTAIN VOR RIGHT NMFDE.             | 31-98 TASK 801        |
| 31-85232             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND FIRST OFFICER VOR RIGHT NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND FIRST OFFICER VOR RIGHT NMFDE. | 31-98 TASK 801        |
| 31-85233             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND CAPTAIN VTK NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND CAPTAIN VTK NMFDE.                         | 31-98 TASK 801        |
| 31-85234             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND FIRST OFFICER VTK NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND FIRST OFFICER VTK NMFDE.             | 31-98 TASK 801        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                                                                                                                                                                                                                                                             | <b>GO TO FIM TASK</b> |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-85235             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND CAPTAIN WXR NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND CAPTAIN WXR NMFDE.               | 31-98 TASK 801        |
| 31-85236             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a ND FIRST OFFICER WXR NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a ND FIRST OFFICER WXR NMFDE.   | 31-98 TASK 801        |
| 31-85301             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a EI ENG L EGT BLANKING NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a EI ENG L EGT BLANKING NMFDE. | 31-98 TASK 801        |
| 31-85302             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a EI ENG R EGT BLANKING NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a EI ENG R EGT BLANKING NMFDE. | 31-98 TASK 801        |
| 31-85303             | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a EI ENG L EPR BLANKING NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a EI ENG L EPR BLANKING NMFDE. | 31-98 TASK 801        |

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                          | GO TO FIM TASK |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-85304      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a EI ENG R EPR BLANKING NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a EI ENG R EPR BLANKING NMFDE.       | 31-98 TASK 801 |
| 31-85305      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a EI ENG L FF BLANKING NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a EI ENG L FF BLANKING NMFDE.         | 31-98 TASK 801 |
| 31-85306      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a EI ENG R FF BLANKING NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a EI ENG R FF BLANKING NMFDE.         | 31-98 TASK 801 |
| 31-85307      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a EI ENG L OIL PR BLANKING NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a EI ENG L OIL PR BLANKING NMFDE. | 31-98 TASK 801 |
| 31-85308      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a EI ENG R OIL PR BLANKING NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a EI ENG R OIL PR BLANKING NMFDE. | 31-98 TASK 801 |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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| MAINT MESSAGE | MESSAGE TEXT                                                                                                                                                                                                                                                                                                                                                            | GO TO FIM TASK |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 31-85309      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a EI ENG L OIL T BLANKING NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a EI ENG L OIL T BLANKING NMFDE.     | 31-98 TASK 801 |
| 31-85310      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a EI ENG R OIL T BLANKING NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a EI ENG R OIL T BLANKING NMFDE.     | 31-98 TASK 801 |
| 31-85311      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a EI ENG L VIB BLANKING NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a EI ENG L VIB BLANKING NMFDE.         | 31-98 TASK 801 |
| 31-85312      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a EI ENG R VIB BLANKING NMFDE.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a EI ENG R VIB BLANKING NMFDE.         | 31-98 TASK 801 |
| 31-85351      | <b>AIMS-2, CMCF LDI 3114-BCG-00W-16;</b><br>!Display Function in AIMS has a EI MESSAGE PRI FLIGHT COMPUTERS.<br><b>AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11;</b><br><b>AIMS-2, CMCF LDI 3111-BCG-00W-13;</b><br><b>AIMS-2, CMCF LDI 3116-BCG-00W-14;</b><br><b>AIMS-2, CMCF LDI 3117-BCG-00W-15;</b><br>Display Function in AIMS has a EI MESSAGE PRI FLIGHT COMPUTERS. | 31-98 TASK 801 |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                  | <b>GO TO FIM TASK</b> |
|----------------------|------------------------------------------------------------------------------------------------------|-----------------------|
| 31-88890             | EFIS Control Panel (Right) has no output on EFIS CP Output-R Bus (429).                              | 31-61 TASK 833        |
| 31-88891             | Display Unit (Left Outboard) has no output on XMTR #1 Bus.                                           | 31-61 TASK 834        |
| 31-88892             | Display Unit (Left Inboard) has no output on XMTR #1 Bus.                                            | 31-61 TASK 835        |
| 31-88893             | Display Unit (Center Upper) has no output on XMTR #1 Bus.                                            | 31-61 TASK 921        |
| 31-88894             | Display Unit (Center Lower) has no output on XMTR #1 Bus.                                            | 31-61 TASK 922        |
| 31-88895             | Display Unit (Right Inboard) has no output on XMTR #1 Bus.                                           | 31-61 TASK 836        |
| 31-88896             | Display Unit (Right Outboard) has no output on XMTR #1 Bus.                                          | 31-61 TASK 837        |
| 31-88897             | Cursor Control Device (Left) has no output on Cursor Control Device-L Bus (429).                     | 31-61 TASK 809        |
| 31-88898             | Cursor Control Device (Right) has no output on Cursor Control Device-R Bus (429).                    | 31-61 TASK 810        |
| 31-88899             | EFIS Control Panel (Left) has no output on EFIS CP Output-L Bus (429).                               | 31-61 TASK 838        |
| 31-89113*            | Display Function in Left AIMS has no input from selected WXR Tranceiver on WXR RT Data Bus 1 (453).  | 31-61 TASK 839        |
| 31-89114*            | Display Function in Right AIMS has no input from selected WXR Tranceiver on WXR RT Data Bus 1 (453). | 31-61 TASK 840        |
| 31-89115*            | Display Function in Left AIMS has no input from selected WXR Tranceiver on WXR RT Data Bus 1 (453).  | 31-61 TASK 841        |
| 31-89116*            | Display Function in Right AIMS has no input from selected WXR Tranceiver on WXR RT Data Bus 1 (453). | 31-61 TASK 842        |
| 31-89123*            | Display Function in Left AIMS has no input from selected WXR Tranceiver on WXR RT Data Bus 2 (453).  | 31-61 TASK 839        |
| 31-89124*            | Display Function in Right AIMS has no input from selected WXR Tranceiver on WXR RT Data Bus 2 (453). | 31-61 TASK 840        |
| 31-89125*            | Display Function in Left AIMS has no input from selected WXR Tranceiver on WXR RT Data Bus 2 (453).  | 31-61 TASK 841        |
| 31-89126*            | Display Function in Right AIMS has no input from selected WXR Tranceiver on WXR RT Data Bus 2 (453). | 31-61 TASK 842        |
| 31-89133*            | Display Function in Left AIMS has no input from the EGPWC on WXR/EGPWC Data Bus 1 (453).             | 31-61 TASK 963        |
| 31-89134*            | Display Function in Right AIMS has no input from the EGPWC on WXR/EGPWC Data Bus 1 (453).            | 31-61 TASK 963        |
| 31-89135*            | Display Function in Left AIMS has no input from the EGPWC on WXR/EGPWC Data Bus 1 (453).             | 31-61 TASK 963        |
| 31-89136*            | Display Function in Right AIMS has no input from the EGPWC on WXR/EGPWC Data Bus 1 (453).            | 31-61 TASK 963        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                          | <b>GO TO FIM TASK</b> |
|----------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-89143*            | Display Function in Left AIMS has no input from the EGPWC on WXR/EGPWC Data Bus 2 (453).                                     | 31-61 TASK 963        |
| 31-89144*            | Display Function in Right AIMS has no input from the EGPWC on WXR/EGPWC Data Bus 2 (453).                                    | 31-61 TASK 963        |
| 31-89146*            | Display Function in Right AIMS has no input from the EGPWC on WXR/EGPWC Data Bus 2 (453).                                    | 31-61 TASK 963        |
| 31-89417*            | Left AIMS has no input from ELMS P110 Electronics Unit on System ARINC 629 Bus (left).                                       | 31-42 TASK 915        |
| 31-89418*            | Right AIMS has no input from ELMS P110 Electronics Unit on System ARINC 629 Bus (left).                                      | 31-42 TASK 915        |
| 31-89421             | Left AIMS has no input from ELMS P310 Electronics Unit on System ARINC 629 Bus (left).                                       | 31-42 TASK 915        |
| 31-89422             | Right AIMS has no input from ELMS P310 Electronics Unit on System ARINC 629 Bus (left).                                      | 31-42 TASK 915        |
| 31-89617*            | Left AIMS has no input from ELMS P110 Electronics Unit on System ARINC 629 Bus (right).                                      | 31-42 TASK 916        |
| 31-89618*            | Right AIMS has no input from ELMS P110 Electronics Unit on System ARINC 629 Bus (right).                                     | 31-42 TASK 916        |
| 31-89619*            | Left AIMS has no input from ELMS P210 Electronics Unit on System ARINC 629 Bus (right).                                      | 31-42 TASK 916        |
| 31-89620*            | Right AIMS has no input from ELMS P210 Electronics Unit on System ARINC 629 Bus (right).                                     | 31-42 TASK 916        |
| 31-89621             | Left AIMS has no input from ELMS P310 Electronics Unit on System ARINC 629 Bus (right).                                      | 31-42 TASK 916        |
| 31-89622             | Right AIMS has no input from ELMS P310 Electronics Unit on System ARINC 629 Bus (right).                                     | 31-42 TASK 916        |
| 31-89905             | Display Function in Left AIMS has no input from Display Unit (Left Outboard) on Display Unit-Left Outboard (PFD) Bus (429).  | 31-61 TASK 843        |
| 31-89906             | Display Function in Right AIMS has no input from Display Unit (Left Outboard) on Display Unit-Left Outboard (PFD) Bus (429). | 31-61 TASK 844        |
| 31-89909             | Display Function in Left AIMS has no input from Display Unit (Left Inboard) on Display Unit-Left Inboard (ND) Bus (429).     | 31-61 TASK 845        |
| 31-89910             | Display Function in Right AIMS has no input from Display Unit (Left Inboard) on Display Unit-Left Inboard (ND) Bus (429).    | 31-61 TASK 846        |
| 31-89913             | Display Function in Left AIMS has no input from Display Unit (Center Upper) on Display Unit-Center Upper (EICAS) Bus (429).  | 31-61 TASK 847        |
| 31-89914             | Display Function in Right AIMS has no input from Display Unit (Center Upper) on Display Unit-Center Upper (EICAS) Bus (429). | 31-61 TASK 848        |

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| <b>MAINT MESSAGE</b> | <b>MESSAGE TEXT</b>                                                                                                            | <b>GO TO FIM TASK</b> |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 31-89917             | Display Function in Left AIMS has no input from Display Unit (Center Lower) on Display Unit-Center Lower (MFD) Bus (429).      | 31-61 TASK 849        |
| 31-89918             | Display Function in Right AIMS has no input from Display Unit (Center Lower) on Display Unit-Center Lower (MFD) Bus (429).     | 31-61 TASK 850        |
| 31-89921             | Display Function in Left AIMS has no input from Display Unit (Right Inboard) on Display Unit-Right Inboard (ND) Bus (429).     | 31-61 TASK 851        |
| 31-89922             | Display Function in Right AIMS has no input from Display Unit (Right Inboard) on Display Unit-Right Inboard (ND) Bus (429).    | 31-61 TASK 852        |
| 31-89925             | Display Function in Left AIMS has no input from Display Unit (Right Outboard) on Display Unit-Right Outboard (PFD) Bus (429).  | 31-61 TASK 853        |
| 31-89926             | Display Function in Right AIMS has no input from Display Unit (Right Outboard) on Display Unit-Right Outboard (PFD) Bus (429). | 31-61 TASK 854        |
| 31-89929             | Display Function in Left AIMS has no input from EFIS Control Panel (Left) on EFIS CP Output-L Bus (429).                       | 31-61 TASK 855        |
| 31-89930             | Display Function in Right AIMS has no input from EFIS Control Panel (Left) on EFIS CP Output-L Bus (429).                      | 31-61 TASK 856        |
| 31-89933             | Display Function in Left AIMS has no input from EFIS Control Panel (Right) on EFIS CP Output-R Bus (429).                      | 31-61 TASK 857        |
| 31-89934             | Display Function in Right AIMS has no input from EFIS Control Panel (Right) on EFIS CP Output-R Bus (429).                     | 31-61 TASK 858        |
| 31-89937             | Display Function in Left AIMS has no input from Cursor Control Device (Left) on Cursor Control Device-L Bus (429).             | 31-61 TASK 859        |
| 31-89938             | Display Function in Right AIMS has no input from Cursor Control Device (Left) on Cursor Control Device-L Bus (429).            | 31-61 TASK 860        |
| 31-89941             | Display Function in Left AIMS has no input from Cursor Control Device (Right) on Cursor Control Device-R Bus (429).            | 31-61 TASK 861        |
| 31-89942             | Display Function in Right AIMS has no input from Cursor Control Device (Right) on Cursor Control Device-R Bus (429).           | 31-61 TASK 862        |
| 31-90002             | Relay (FLT REC-AC PWR) in P210 is not in commanded position.                                                                   | 31-45 TASK 805        |

\*If the MAT shows LATCHED for the correlated EICAS message, then you must erase the EICAS message after you complete the FIM task.

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## 777-200/300 FAULT ISOLATION MANUAL

### 801. LSCF ASG-L No Input from HYDIM-C on HYDIM data out-04 429 bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17905.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the center hydraulic interface module (HYDIM) card, P85A4.

These are the tasks:

Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801,

Hydraulic Interface Module (HYDIM) Cards Installation, AMM TASK 29-11-50-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the left ASG card, P85A12. To remove it, do this task: Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801.
  - (b) Remove the center HYDIM card, P85A4. To remove it, do this task: Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector XA4 at the P85A4 slot (SSM 29-11-33):

| XA12             | XA4     |
|------------------|---------|
| pin 84 . . . . . | pin 134 |
| pin 87 . . . . . | pin 137 |

- (d) If you find a problem with the wiring, then do these steps:

- 1) Replace the SYSTEMS CARDFILES, P85.

These are the tasks:

Systems Card Files Removal, AMM TASK 31-09-00-000-801,

Systems Card Files Installation, AMM TASK 31-09-00-400-801.

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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## 31-07 TASK 801

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### 802. RSCF ASG-L No Input from HYDIM-C on HYDIM data out-04 429 bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17906.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the center hydraulic interface module (HYDIM) card, P84A4.

These are the tasks:

Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801,

Hydraulic Interface Module (HYDIM) Cards Installation, AMM TASK 29-11-50-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the left ASG card, P84A12. To remove it, do this task: Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801.
  - (b) Remove the center HYDIM card, P84A4. To remove it, do this task: Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801.
  - (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector XA4 at the P84A4 slot (SSM 29-11-34):

#### **XA12**

pin 84 . . . . . pin 134  
pin 87 . . . . . pin 137

#### **XA4**

- (d) If you find a problem with the wiring, then do these steps:

- 1) Replace the SYSTEMS CARDFILES, P84.

These are the tasks:

Systems Card Files Removal, AMM TASK 31-09-00-000-801,

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Systems Card Files Installation, AMM TASK 31-09-00-400-801.

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 803. LSCF ASG-R No Input from HYDIM-C on HYDIM data out-04 429 bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17907.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the center hydraulic interface module (HYDIM) card, P85A4.

These are the tasks:

Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801,

Hydraulic Interface Module (HYDIM) Cards Installation, AMM TASK 29-11-50-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the right ASG card, P85A15. To remove it, do this task: Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801.
  - (b) Remove the center HYDIM card, P85A4. To remove it, do this task: Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801.
  - (c) Do a wiring check between these pins of connector XA15 at the P85A15 slot and connector XA4 at the P85A4 slot (SSM 29-11-33):

#### XA15

pin 84 ..... pin 134  
pin 87 ..... pin 137

#### XA4

pin 134  
pin 137

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- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the SYSTEMS CARDFILES, P85.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 804. RSCF ASG-R No Input from HYDIM-C on HYDIM data out-04 429 bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17908.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the center hydraulic interface module (HYDIM) card, P84A4.

These are the tasks:

Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801,  
Hydraulic Interface Module (HYDIM) Cards Installation, AMM TASK 29-11-50-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
- (a) Remove the right ASG card, P84A15. To remove it, do this task: Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801.
  - (b) Remove the center HYDIM card, P84A4. To remove it, do this task: Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801.

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- (c) Do a wiring check between these pins of connector XA15 at the P84A15 slot and connector XA4 at the P84A4 slot (SSM 29-11-34):

| <b>XA15</b>  | <b>XA4</b> |
|--------------|------------|
| pin 84 ..... | pin 134    |
| pin 87 ..... | pin 137    |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the SYSTEMS CARDFILES, P84.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 805. LSCF ASG-L No Input from DLODS-L on DLODS 429 bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17909.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Duct Leak and Overheat Detection System (DLODS) Control Card, P85A5.  
These are the tasks:  
DLODS Control Card Removal, AMM TASK 26-18-05-000-801,  
DLODS Control Card Installation, AMM TASK 26-18-05-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (3) Do this check of the wiring:
- (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the left DLODS Control Card, P85A5. To remove it, do this task: DLODS Control Card Removal, AMM TASK 26-18-05-000-801.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector XA5 at the P85A5 slot (SSM 26-18-11):

| XA12             | XA5     |
|------------------|---------|
| pin 90 . . . . . | pin 134 |
| pin 93 . . . . . | pin 137 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the SYSTEMS CARDFILES, P85.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 806. RSCF ASG-L No Input from DLODS-R on DLODS 429 bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17910.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right Duct Leak and Overheat Detection System (DLODS) Control Card, P84A5.  
These are the tasks:  
DLODS Control Card Removal, AMM TASK 26-18-05-000-801,

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DLODS Control Card Installation, AMM TASK 26-18-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the right DLODS Control Card, P84A5. To remove it, do this task: DLODS Control Card Removal, AMM TASK 26-18-05-000-801.
  - (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector XA5 at the P84A5 slot (SSM 26-18-12):

| XA12             | XA5     |
|------------------|---------|
| pin 90 . . . . . | pin 134 |
| pin 93 . . . . . | pin 137 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the SYSTEMS CARDFILES, P84.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 807. LSCF ASG-R No Input from DLODS-L on DLODS 429 bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17911.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Duct Leak and Overheat Detection System (DLODS) Control Card, P85A5.  
These are the tasks:  
DLODS Control Card Removal, AMM TASK 26-18-05-000-801,  
DLODS Control Card Installation, AMM TASK 26-18-05-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
- (a) Remove the right ASG card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Remove the left DLODS Control Card, P85A5. To remove it, do this task: DLODS Control Card Removal, AMM TASK 26-18-05-000-801.
- (c) Do a wiring check between these pins of connector XA15 at the P85A15 slot and connector XA5 at the P85A5 slot (SSM 26-18-11):
- | <b>XA15</b>      | <b>XA5</b> |
|------------------|------------|
| pin 90 . . . . . | pin 134    |
| pin 93 . . . . . | pin 137    |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the SYSTEMS CARDFILES, P85.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 808. RSCF ASG-R No Input from DLODS-R on DLODS 429 bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17912.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15.

These are the tasks:

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ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right Duct Leak and Overheat Detection System (DLODS) Control Card, P84A5.  
These are the tasks:

DLODS Control Card Removal, AMM TASK 26-18-05-000-801,

DLODS Control Card Installation, AMM TASK 26-18-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
- (a) Remove the right ASG card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the right DLODS Control Card, P84A5. To remove it, do this task: DLODS Control Card Removal, AMM TASK 26-18-05-000-801.
  - (c) Do a wiring check between these pins of connector XA15 at the P84A15 slot and connector XA5 at the P84A5 slot (SSM 26-18-12):

| <b>XA15</b>      | <b>XA5</b> |
|------------------|------------|
| pin 90 . . . . . | pin 134    |
| pin 93 . . . . . | pin 137    |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the SYSTEMS CARDFILES, P84.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 809. LSCF ASG-L No Input from ACIPS-L on ACIPS 429 bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17913.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (2) Replace the left Airfoil and Cowl Ice Protection System (ACIPS) Control Card, P85A6.

These are the tasks:

Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Removal, AMM TASK 30-21-01-000-801,

Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Installation, AMM TASK 30-21-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (3) Do this check of the wiring:

- (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.

- (b) Remove the left ACIPS Control Card, P85A6. To remove it, do this task: Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Removal, AMM TASK 30-21-01-000-801.

- (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector XA6 at the P85A6 slot (SSM 30-21-11):

| <b>XA12</b>      | <b>XA6</b> |
|------------------|------------|
| pin 85 . . . . . | pin 134    |
| pin 88 . . . . . | pin 137    |

- (d) If you find a problem with the wiring, then do these steps:

- 1) Replace the SYSTEMS CARDFILES, P85.

These are the tasks:

Systems Card Files Removal, AMM TASK 31-09-00-000-801,

Systems Card Files Installation, AMM TASK 31-09-00-400-801.

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

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### 810. RSCF ASG-L No Input from ACIPS-R on ACIPS 429 bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17914.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right Airfoil and Cowl Ice Protection System (ACIPS) Control Card, P84A6.  
These are the tasks:  
Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Removal, AMM TASK 30-21-01-000-801,  
Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Installation, AMM TASK 30-21-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
    - (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
    - (b) Remove the right ACIPS Control Card, P84A6. To remove it, do this task: Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Removal, AMM TASK 30-21-01-000-801.
    - (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector XA6 at the P84A6 slot (SSM 30-21-12):

| XA12             | XA6     |
|------------------|---------|
| pin 85 . . . . . | pin 134 |
| pin 88 . . . . . | pin 137 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the SYSTEMS CARDFILES, P84.

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These are the tasks:

Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 811. LSCF ASG-R No Input from ACIPS-L on ACIPS 429 bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17915.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Airfoil and Cowl Ice Protection System (ACIPS) Control Card, P85A6.  
These are the tasks:  
Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Removal, AMM TASK 30-21-01-000-801,  
Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Installation, AMM TASK 30-21-01-400-801.
    - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
  - (3) Do this check of the wiring:
    - (a) Remove the right ASG card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
    - (b) Remove the left ACIPS Control Card, P85A6. To remove it, do this task: Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Removal, AMM TASK 30-21-01-000-801.

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- (c) Do a wiring check between these pins of connector XA15 at the P85A15 slot and connector XA6 at the P85A6 slot (SSM 30-21-11):

| XA15         | XA6     |
|--------------|---------|
| pin 85 ..... | pin 134 |
| pin 88 ..... | pin 137 |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the SYSTEMS CARDFILES, P85.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 812. RSCF ASG-R No Input from ACIPS-R on ACIPS 429 bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17916.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right Airfoil and Cowl Ice Protection System (ACIPS) Control Card, P84A6.

These are the tasks:

Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Removal, AMM TASK 30-21-01-000-801,  
Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Installation, AMM TASK 30-21-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the right ASG card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the right ACIPS Control Card, P84A6. To remove it, do this task: Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Removal, AMM TASK 30-21-01-000-801.
  - (c) Do a wiring check between these pins of connector XA15 at the P84A15 slot and connector XA6 at the P84A6 slot (SSM 30-21-12):

| XA15             | XA6     |
|------------------|---------|
| pin 85 . . . . . | pin 134 |
| pin 88 . . . . . | pin 137 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the SYSTEMS CARDFILES, P84.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

## 813. RSCF ASG-L No Input from ACIPS-C on ACIPS 429 bus - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17918.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the center Airfoil and Cowl Ice Protection System (ACIPS) Control Card, P84A7.

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These are the tasks:

Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Removal, AMM TASK 30-21-01-000-801,

Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Installation, AMM TASK 30-21-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the center ACIPS Control Card, P84A7. To remove it, do this task: Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Removal, AMM TASK 30-21-01-000-801.
  - (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector XA7 at the P84A7 slot (SSM 30-11-11):

| XA12             | XA7     |
|------------------|---------|
| pin 91 . . . . . | pin 134 |
| pin 94 . . . . . | pin 137 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the SYSTEMS CARDFILES, P84.  
 These are the tasks:  
 Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
 Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 814. RSCF ASG-R No Input from ACIPS-C on ACIPS 429 bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17920.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15.

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These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the center Airfoil and Cowl Ice Protection System (ACIPS) Control Card, P84A7.

These are the tasks:

Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Removal, AMM TASK 30-21-01-000-801,

Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Installation, AMM TASK 30-21-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
- (a) Remove the right ASG card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the center ACIPS Control Card, P84A7. To remove it, do this task: Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Removal, AMM TASK 30-21-01-000-801.
  - (c) Do a wiring check between these pins of connector XA15 at the P84A15 slot and connector XA7 at the P84A7 slot (SSM 30-21-12):

| <b>XA15</b>      | <b>XA7</b> |
|------------------|------------|
| pin 91 . . . . . | pin 134    |
| pin 94 . . . . . | pin 137    |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the SYSTEMS CARDFILES, P84.

These are the tasks:

Systems Card Files Removal, AMM TASK 31-09-00-000-801,

Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

### 815. RSCF ASG-L No Input from DLODS-C on DLODS 429 bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17922.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the center Duct Leak and Overheat Detection System (DLODS) Control Card, P84A8.

These are the tasks:

DLODS Control Card Removal, AMM TASK 26-18-05-000-801,

DLODS Control Card Installation, AMM TASK 26-18-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the center DLODS Control Card, P84A8. To remove it, do this task: DLODS Control Card Removal, AMM TASK 26-18-05-000-801.
  - (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector XA8 at the P84A8 slot (SSM 26-18-13):

| <b>XA12</b>      | <b>XA8</b> |
|------------------|------------|
| pin 68 . . . . . | pin 134    |
| pin 71 . . . . . | pin 137    |

- (d) If you find a problem with the wiring, then do these steps:

- 1) Replace the SYSTEMS CARDFILES, P84.

These are the tasks:

Systems Card Files Removal, AMM TASK 31-09-00-000-801,

Systems Card Files Installation, AMM TASK 31-09-00-400-801.

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- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 816. **RSCF ASG-R No Input from DLODS-C on DLODS 429 bus - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17924.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the center Duct Leak and Overheat Detection System (DLODS) Control Card, P84A8.

These are the tasks:

DLODS Control Card Removal, AMM TASK 26-18-05-000-801,

DLODS Control Card Installation, AMM TASK 26-18-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the right ASG card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the center DLODS Control Card, P84A8. To remove it, do this task: DLODS Control Card Removal, AMM TASK 26-18-05-000-801.
  - (c) Do a wiring check between these pins of connector XA15 at the P84A15 slot and connector XA8 at the P84A8 slot (SSM 26-18-13):

| <b>XA15</b>      | <b>XA8</b> |
|------------------|------------|
| pin 68 . . . . . | pin 134    |
| pin 71 . . . . . | pin 137    |

- (d) If you find a problem with the wiring, then do these steps:

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- 1) Replace the SYSTEMS CARDFILES, P84.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### 817. LSCF ASG-L No Input from APUFDC (slot A09) on APUFDC 429 bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17925.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the APU Fire Detection Card, P85A9.  
These are the tasks:  
APU Fire Control Card Removal, AMM TASK 26-15-03-000-801,  
APU Fire Control Card Installation, AMM TASK 26-15-03-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the APU Fire Detection card, P85A9. To remove it, do this task: APU Fire Control Card Removal, AMM TASK 26-15-03-000-801.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector XA9 at the P85A09 slot (SSM 26-15-11):

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| XA12             | XA09    |
|------------------|---------|
| pin 74 . . . . . | pin 134 |
| pin 77 . . . . . | pin 137 |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the SYSTEMS CARDFILES, P85.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 818. LSCF ASG-R No Input from APUFDC (Slot A09) on APUFDC 429 bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17927.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the APU Fire Detection Card, P85A9.
- These are the tasks:
- APU Fire Control Card Removal, AMM TASK 26-15-03-000-801,  
APU Fire Control Card Installation, AMM TASK 26-15-03-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:

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- (a) Remove the right ASG card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Remove the APU Fire Detection card, P85A9. To remove it, do this task: APU Fire Control Card Removal, AMM TASK 26-15-03-000-801.
- (c) Do a wiring check between these pins of connector XA15 at the P85A15 slot and connector XA9 at the P85A9 slot (SSM 26-15-11):

| XA15             | XA9     |
|------------------|---------|
| pin 74 . . . . . | pin 134 |
| pin 77 . . . . . | pin 137 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the SYSTEMS CARDFILES, P84.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 819. LSCF ASG-L No Input from left Engine Fire Detection Card on EFDC 429 bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17929.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Engine Fire Detection card, P85A10.  
These are the tasks:  
Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801,  
Engine Fire Detection Card Installation, AMM TASK 26-11-03-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the left Engine Fire Detection card, P85A10. To remove it, do this task: Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector XA10 at the P85A10 slot (SSM 26-11-11):

| XA12             | XA10    |
|------------------|---------|
| pin 69 . . . . . | pin 134 |
| pin 72 . . . . . | pin 137 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the SYSTEMS CARDFILES, P85.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 820. RSCF ASG-L No Input from right Engine Fire Detection Card on EFDC 429 bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17930.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (2) Replace the right Engine Fire Detection card, P84A10.  
These are the tasks:  
Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801,  
Engine Fire Detection Card Installation, AMM TASK 26-11-03-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
- (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Remove the right Engine Fire Detection card, P84A10. To remove it, do this task: Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801.
- (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector XA10 at the P84A10 slot (SSM 26-11-21):
- | <b>XA12</b>      | <b>XA10</b> |
|------------------|-------------|
| pin 69 . . . . . | pin 134     |
| pin 72 . . . . . | pin 137     |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the SYSTEMS CARDFILES, P84.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 821. LSCF ASG-R No Input from left Engine Fire Detection Card on EFDC 429 bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17931.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

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ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Engine Fire Detection card, P85A10.  
These are the tasks:  
Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801,  
Engine Fire Detection Card Installation, AMM TASK 26-11-03-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the right ASG card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the left Engine Fire Detection card, P85A10. To remove it, do this task: Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A15 slot and connector XA10 at the P85A10 slot (SSM 26-11-11):

| <b>XA15</b>      | <b>XA10</b> |
|------------------|-------------|
| pin 69 . . . . . | pin 134     |
| pin 72 . . . . . | pin 137     |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the SYSTEMS CARDFILES, P85.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 822. RSCF ASG-R No Input from right Engine Fire Detection Card on EFDC 429 bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17932.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (2) Replace the right Engine Fire Detection card, P84A10.

These are the tasks:

Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801,

Engine Fire Detection Card Installation, AMM TASK 26-11-03-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (3) Do this check of the wiring:

- (a) Remove the right ASG card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.

- (b) Remove the right Engine Fire Detection card, P84A10. To remove it, do this task: Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801.

- (c) Do a wiring check between these pins of connector XA15 at the P84A15 slot and connector XA10 at the P84A10 slot (SSM 26-11-21):

| <b>XA15</b>      | <b>XA10</b> |
|------------------|-------------|
| pin 69 . . . . . | pin 134     |
| pin 72 . . . . . | pin 137     |

- (d) If you find a problem with the wiring, then do these steps:

- 1) Replace the SYSTEMS CARDFILES, P84.

These are the tasks:

Systems Card Files Removal, AMM TASK 31-09-00-000-801,

Systems Card Files Installation, AMM TASK 31-09-00-400-801.

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 823. LSCF ASG-L No Input from ECSMC-L on ECS 429 bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17933.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Equipment Cooling System (ECS) card, P85A14.  
These are the tasks:  
ECS Miscellaneous Card (ECSCMC) Removal, AMM TASK 21-00-10-000-801,  
ECS Miscellaneous Card (ECSCMC) Installation, AMM TASK 21-00-10-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the left ECS card, P85A14. To remove it, do this task: ECS Miscellaneous Card (ECSCMC) Removal, AMM TASK 21-00-10-000-801.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector XA14 at the P85A14 slot (SSM 21-24-11):

| <b>XA12</b>      | <b>XA14</b> |
|------------------|-------------|
| pin 28 . . . . . | pin 134     |
| pin 32 . . . . . | pin 137     |

- (d) If you find a problem with the wiring, then do these steps:

- 1) Replace the SYSTEMS CARDFILES, P85.

These are the tasks:

Systems Card Files Removal, AMM TASK 31-09-00-000-801,

Systems Card Files Installation, AMM TASK 31-09-00-400-801.

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- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 824. **RSCF ASG-L No Input from ECSMC-R on ECS 429 bus - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17934.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right Equipment Cooling System (ECS) card, P84A14.

These are the tasks:

ECS Miscellaneous Card (ECSMC) Removal, AMM TASK 21-00-10-000-801,  
ECS Miscellaneous Card (ECSMC) Installation, AMM TASK 21-00-10-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the right ECS card, P84A14. To remove it, do this task: ECS Miscellaneous Card (ECSMC) Removal, AMM TASK 21-00-10-000-801.
  - (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector XA14 at the P84A14 slot (SSM 21-24-11):

|              |             |
|--------------|-------------|
| <b>XA12</b>  | <b>XA14</b> |
| pin 28 ..... | pin 134     |
| pin 32 ..... | pin 137     |

- (d) If you find a problem with the wiring, then do these steps:

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- 1) Replace the SYSTEMS CARDFILES, P84.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### 825. LSCF ASG-R No Input from ECSMC-L on ECS 429 bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17935.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15.  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Equipment Cooling System (ECS) card, P85A14.  
These are the tasks:  
ECS Miscellaneous Card (ECSMC) Removal, AMM TASK 21-00-10-000-801,  
ECS Miscellaneous Card (ECSMC) Installation, AMM TASK 21-00-10-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the right ASG card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the left ECS card, P85A14. To remove it, do this task: ECS Miscellaneous Card (ECSMC) Removal, AMM TASK 21-00-10-000-801.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A15 slot and connector XA14 at the P85A14 slot (SSM 21-24-11):

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| XA15         | XA14    |
|--------------|---------|
| pin 28 ..... | pin 134 |
| pin 32 ..... | pin 137 |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the SYSTEMS CARDFILES, P85.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 3) If the MAT shows ACTIVE for the maintenance message, then continue.

### — END OF TASK —

## 826. RSCF ASG-R No Input from ECSMC-R on ECS 429 bus - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17936.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15.  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right Equipment Cooling System (ECS) card, P84A14.  
These are the tasks:  
ECS Miscellaneous Card (ECSMC) Removal, AMM TASK 21-00-10-000-801,  
ECS Miscellaneous Card (ECSMC) Installation, AMM TASK 21-00-10-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:

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- (a) Remove the right ASG card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Remove the right ECS card, P84A14. To remove it, do this task: ECS Miscellaneous Card (ECSCMC) Removal, AMM TASK 21-00-10-000-801.
- (c) Do a wiring check between these pins of connector XA15 at the P84A15 slot and connector XA14 at the P84A14 slot (SSM 21-24-11):

| XA15             | XA14    |
|------------------|---------|
| pin 28 . . . . . | pin 134 |
| pin 32 . . . . . | pin 137 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the SYSTEMS CARDFILES, P84.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

## 827. LSCF ASG-L No Input from WOW-L on ARINC 429 bus - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17937.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Weight-on-Wheels (WOW) Card, P85A16.  
These are the tasks:  
Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,  
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Interchange the A3 and A18 Linear Monitor (Lin/Mon) cards in the Left Systems Card file P85 or the Right Systems Cardfile P84, if necessary.

Do these tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801

- (a) If the fault continues after the Left and the Right Cardfile interchange, replace the applicable Lin/Mon Card.
- (4) Do this check of the wiring:
  - (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the left WOW card, P85A16. To remove it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector XA16 at the P85A16 slot (SSM 32-09-11):

| XA12             | XA16    |
|------------------|---------|
| pin 24 . . . . . | pin 134 |
| pin 27 . . . . . | pin 137 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the SYSTEMS CARDFILES, P85.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 828. RSCF ASG-L No Input from WOW-R on ARINC 429 bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17938.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

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- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right Weight-on-Wheels (WOW) Card, P84A16.  
These are the tasks:  
Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,  
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the right WOW card, P84A16. To remove it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
  - (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector XA16 at the P84A16 slot (SSM 32-09-12):

| <b>XA12</b>  | <b>XA16</b> |
|--------------|-------------|
| pin 24 ..... | pin 134     |
| pin 27 ..... | pin 137     |
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the SYSTEMS CARDFILES, P84.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 829. LSCF ASG-R No Input from WOW-L on ARINC 429 bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17939.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (2) Replace the left Weight-on-Wheels (WOW) Card, P85A16.

These are the tasks:

Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,

Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (3) Interchange the A3 and A18 Linear Monitor (Lin/Mon) cards in the Left Systems Card file P85 or the Right Systems Cardfile P84, if necessary.

Do these tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801

- (a) If the fault continues after the Left and the Right Cardfile interchange, replace the applicable Lin/Mon Card.

- (4) Do this check of the wiring:

- (a) Remove the right ASG card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.

- (b) Remove the left WOW card, P85A16. To remove it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.

- (c) Do a wiring check between these pins of connector XA15 at the P85A15 slot and connector XA16 at the P85A16 slot (SSM 32-09-11):

| <b>XA15</b>      | <b>XA16</b> |
|------------------|-------------|
| pin 24 . . . . . | pin 134     |
| pin 27 . . . . . | pin 137     |

- (d) If you find a problem with the wiring, then do these steps:

- 1) Replace the SYSTEMS CARDFILES, P85.

These are the tasks:

Systems Card Files Removal, AMM TASK 31-09-00-000-801,

Systems Card Files Installation, AMM TASK 31-09-00-400-801.

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- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 830. **RSCF ASG-R No Input from WOW-R on ARINC 429 bus - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17940.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (2) Replace the right Weight-on-Wheels (WOW) Card, P84A16.

These are the tasks:

Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,

Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (3) Do this check of the wiring:

- (a) Remove the right ASG card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Remove the right WOW card, P84A16. To remove it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
- (c) Do a wiring check between these pins of connector XA15 at the P84A15 slot and connector XA16 at the P84A16 slot (SSM 32-09-12):

| <b>XA15</b>      | <b>XA16</b> |
|------------------|-------------|
| pin 24 . . . . . | pin 134     |
| pin 27 . . . . . | pin 137     |

- (d) If you find a problem with the wiring, then do these steps:

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- 1) Replace the SYSTEMS CARDFILES, P84.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 831. LSCF ASG-L No Input from HYDIM-L on HYDIM data out-17 429 bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17941.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left hydraulic interface module (HYDIM) card, P85A17.  
These are the tasks:  
Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801,  
Hydraulic Interface Module (HYDIM) Cards Installation, AMM TASK 29-11-50-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the left ASG card, P85A12. To remove it, do this task: Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801.
  - (b) Remove the left HYDIM card, P85A17. To remove it, do this task: Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector XA17 at the P85A17 slot (SSM 29-11-11):

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| XA12         | XA17    |
|--------------|---------|
| pin 30 ..... | pin 134 |
| pin 33 ..... | pin 137 |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the SYSTEMS CARDFILES, P85.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 832. RSCF ASG-L No Input from HYDIM-R on HYDIM data out-17 429 bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17942.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right hydraulic interface module (HYDIM) card, P84A17.

These are the tasks:

Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801,  
Hydraulic Interface Module (HYDIM) Cards Installation, AMM TASK 29-11-50-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:

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- (a) Remove the left ASG card, P84A12. To remove it, do this task: Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801.
- (b) Remove the right HYDIM card, P84A17. To remove it, do this task: Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801.
- (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector XA17 at the P84A17 slot (SSM 29-11-21):

| XA12             | XA17    |
|------------------|---------|
| pin 30 . . . . . | pin 134 |
| pin 33 . . . . . | pin 137 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the SYSTEMS CARDFILES, P84.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

## 833. LSCF ASG-R No Input from HYDIM-L on HYDIM data out-17 429 bus - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17943.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15.  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left hydraulic interface module (HYDIM) card, P85A17.  
These are the tasks:  
Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801,  
Hydraulic Interface Module (HYDIM) Cards Installation, AMM TASK 29-11-50-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the right ASG card, P85A15. To remove it, do this task: Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801.
  - (b) Remove the left HYDIM card, P85A17. To remove it, do this task: Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801.
  - (c) Do a wiring check between these pins of connector XA15 at the P85A15 slot and connector XA17 at the P85A17 slot (SSM 29-11-11):

| XA15             | XA17    |
|------------------|---------|
| pin 30 . . . . . | pin 134 |
| pin 33 . . . . . | pin 137 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the SYSTEMS CARDFILES, P85.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ———— END OF TASK ————

#### 834. RSCF ASG-R No Input from HYDIM-R on HYDIM data out-17 429 bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17944.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15.  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (2) Replace the right hydraulic interface module (HYDIM) card, P84A17.
- These are the tasks:
- Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801,  
Hydraulic Interface Module (HYDIM) Cards Installation, AMM TASK 29-11-50-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
- (a) Remove the right ASG card, P84A15. To remove it, do this task: Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801.
- (b) Remove the right HYDIM card, P84A17. To remove it, do this task: Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801.
- (c) Do a wiring check between these pins of connector XA15 at the P84A15 slot and connector XA17 at the P84A17 slot (SSM 29-11-21):
- | <b>XA15</b>  | <b>XA17</b> |
|--------------|-------------|
| pin 30 ..... | pin 134     |
| pin 33 ..... | pin 137     |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the SYSTEMS CARDFILES, P84.
- These are the tasks:
- Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 835. LSCF ASG-L No Input from forward Cargo Smoke Detector Ch 1 on Ch 1 CSDS 429 bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17945.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.

These are the tasks:

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ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the forward Cargo Smoke Detector, M26060.
- These are the tasks:
- Lower Cargo Smoke Detector Removal, AMM TASK 26-16-01-000-801,  
Lower Cargo Smoke Detector Installation, AMM TASK 26-16-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
- (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the forward Cargo Smoke Detector, M26060. To remove it, do this task: Lower Cargo Smoke Detector Removal, AMM TASK 26-16-01-000-801.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A12 shelf and connector DM26060A at the forward cargo smoke detector, M26060 (SSM 31-09-12):

| XA12             | DM26060A |
|------------------|----------|
| pin 38 . . . . . | pin 32   |
| pin 41 . . . . . | pin 33   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the SYSTEMS CARDFILES, P85.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 3) If the MAT shows ACTIVE for the maintenance message, then continue.

————— **END OF TASK** —————

### 836. **RSCF ASG-L No Input from aft Cargo Smoke Detector Ch 1 on Ch 1 CSDS 429 bus - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17946.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (2) Replace the aft Cargo Smoke Detector, M26061.

These are the tasks:

Lower Cargo Smoke Detector Removal, AMM TASK 26-16-01-000-801,

Lower Cargo Smoke Detector Installation, AMM TASK 26-16-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (3) Do this check of the wiring:

- (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.

- (b) Remove the aft Cargo Smoke Detector, M26061. To remove it, do this task: Lower Cargo Smoke Detector Removal, AMM TASK 26-16-01-000-801.

- (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector DM26061A at the aft cargo smoke detector, M26061 (SSM 31-09-22):

| <b>XA12</b>      | <b>DM26061A</b> |
|------------------|-----------------|
| pin 38 . . . . . | pin 32          |
| pin 41 . . . . . | pin 33          |

- (d) If you find a problem with the wiring, then do these steps:

- 1) Replace the SYSTEMS CARDFILES, P84.

These are the tasks:

Systems Card Files Removal, AMM TASK 31-09-00-000-801,

Systems Card Files Installation, AMM TASK 31-09-00-400-801.

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- 3) If the MAT shows ACTIVE for the maintenance message, then continue.

———— **END OF TASK** ————

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### 837. LSCF ASG-R No Input from forward Cargo Smoke Detector Ch 1 on Ch 1 CSDS 429 bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17947.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the forward Cargo Smoke Detector, M26060.
- These are the tasks:
- Lower Cargo Smoke Detector Removal, AMM TASK 26-16-01-000-801,
- Lower Cargo Smoke Detector Installation, AMM TASK 26-16-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
- (a) Remove the right ASG card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Remove the forward Cargo Smoke Detector, M26060. To remove it, do this task: Lower Cargo Smoke Detector Removal, AMM TASK 26-16-01-000-801.
- (c) Do a wiring check between these pins of connector XA15 at the P85A15 shelf and connector DM26060A at the forward cargo smoke detector, M26060 (SSM 31-09-12):

#### **XA15**

pin 38 . . . . .

pin 41 . . . . .

#### **DM26060A**

pin 32

pin 33

- (d) If you find a problem with the wiring, then do these steps:

- 1) Replace the SYSTEMS CARDFILES, P85.

These are the tasks:

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Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 3) If the MAT shows ACTIVE for the maintenance message, then continue.

————— **END OF TASK** —————

### 838. RSCF ASG-R No Input from aft Cargo Smoke Detector Ch 1 on Ch 1 CSDS 429 bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17948.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the aft Cargo Smoke Detector, M26061.  
These are the tasks:  
Lower Cargo Smoke Detector Removal, AMM TASK 26-16-01-000-801,  
Lower Cargo Smoke Detector Installation, AMM TASK 26-16-01-400-801.
    - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
  - (3) Do this check of the wiring:
    - (a) Remove the right ASG card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
    - (b) Remove the aft Cargo Smoke Detector, M26061. To remove it, do this task: Lower Cargo Smoke Detector Removal, AMM TASK 26-16-01-000-801.
    - (c) Do a wiring check between these pins of connector XA15 at the P84A15 slot and connector DM26061A at the aft cargo smoke detector, M26061 (SSM 31-09-22):

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|              |                 |
|--------------|-----------------|
| <b>XA15</b>  | <b>DM26061A</b> |
| pin 38 ..... | pin 32          |
| pin 41 ..... | pin 33          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the SYSTEMS CARDFILES, P85.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 3) If the MAT shows ACTIVE for the maintenance message, then continue.

### — END OF TASK —

#### 839. LSCF ASG-L No Input from forward Cargo Smoke Detector Ch 2 on Ch 2 CSDS 429 bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17949.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the forward Cargo Smoke Detector, M26060.  
These are the tasks:  
Lower Cargo Smoke Detector Removal, AMM TASK 26-16-01-000-801,  
Lower Cargo Smoke Detector Installation, AMM TASK 26-16-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (3) Do this check of the wiring:
- (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the forward Cargo Smoke Detector, M26060. To remove it, do this task: Lower Cargo Smoke Detector Removal, AMM TASK 26-16-01-000-801.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A12 shelf and connector DM26060A at the forward cargo smoke detector, M26060 (SSM 31-09-12):

| XA12         | DM26060A |
|--------------|----------|
| pin 38 ..... | pin 32   |
| pin 41 ..... | pin 33   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the SYSTEMS CARDFILES, P84.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 3) If the MAT shows ACTIVE for the maintenance message, then continue.

### END OF TASK

#### 840. RSCF ASG-L No Input from aft Cargo Smoke Detector Ch 2 on Ch 2 CSDS 429 bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17950.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the aft Cargo Smoke Detector, M26061.

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These are the tasks:

Lower Cargo Smoke Detector Removal, AMM TASK 26-16-01-000-801,  
Lower Cargo Smoke Detector Installation, AMM TASK 26-16-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the aft Cargo Smoke Detector, M26061. To remove it, do this task: Lower Cargo Smoke Detector Removal, AMM TASK 26-16-01-000-801.
  - (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector DM26061A at the aft cargo smoke detector, M26061 (SSM 31-09-22):

| XA12             | DM26061A |
|------------------|----------|
| pin 38 . . . . . | pin 32   |
| pin 41 . . . . . | pin 33   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the SYSTEMS CARDFILES, P84.

These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 3) If the MAT shows ACTIVE for the maintenance message, then continue.

————— **END OF TASK** —————

### 841. LSCF ASG-R No Input from forward Cargo Smoke Detector Ch 2 on Ch 2 CSDS 429 bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17951.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15.

These are the tasks:

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ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the forward Cargo Smoke Detector, M26060.

These are the tasks:

Lower Cargo Smoke Detector Removal, AMM TASK 26-16-01-000-801,

Lower Cargo Smoke Detector Installation, AMM TASK 26-16-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
- (a) Remove the right ASG card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the forward Cargo Smoke Detector, M26060. To remove it, do this task: Lower Cargo Smoke Detector Removal, AMM TASK 26-16-01-000-801.
  - (c) Do a wiring check between these pins of connector XA15 at the P85A15 shelf and connector DM26060A at the forward cargo smoke detector, M26060 (SSM 31-09-12):

| <b>XA15</b>  | <b>DM26060A</b> |
|--------------|-----------------|
| pin 38 ..... | pin 32          |
| pin 41 ..... | pin 33          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the SYSTEMS CARDFILES, P85.

These are the tasks:

Systems Card Files Removal, AMM TASK 31-09-00-000-801,

Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 3) If the MAT shows ACTIVE for the maintenance message, then continue.

————— **END OF TASK** —————

### 842. **RSCF ASG-R No Input from aft Cargo Smoke Detector Ch 2 on Ch 2 CSDS 429 bus - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17952.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (2) Replace the aft Cargo Smoke Detector, M26061.

These are the tasks:

Lower Cargo Smoke Detector Removal, AMM TASK 26-16-01-000-801,

Lower Cargo Smoke Detector Installation, AMM TASK 26-16-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (3) Do this check of the wiring:

- (a) Remove the right ASG card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.

- (b) Remove the aft Cargo Smoke Detector, M26061. To remove it, do this task: Lower Cargo Smoke Detector Removal, AMM TASK 26-16-01-000-801.

- (c) Do a wiring check between these pins of connector XA15 at the P84A15 slot and connector DM26061A at the aft cargo smoke detector, M26061 (SSM 31-09-22):

| XA15             | DM26061A |
|------------------|----------|
| pin 38 . . . . . | pin 32   |
| pin 41 . . . . . | pin 33   |

- (d) If you find a problem with the wiring, then do these steps:

- 1) Replace the SYSTEMS CARDFILES, P84.

These are the tasks:

Systems Card Files Removal, AMM TASK 31-09-00-000-801,

Systems Card Files Installation, AMM TASK 31-09-00-400-801.

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- 3) If the MAT shows ACTIVE for the maintenance message, then continue.

————— **END OF TASK** —————

### 843. LSCF ASR-R No Input from Nitrogen Generation System on NGS Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17954.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Nitrogen Generation System Controller, M47001.

These are the tasks:

Nitrogen Generation System (NGS) Controller Removal, AMM TASK 47-31-01-000-801,

Nitrogen Generation System (NGS) Controller Installation, AMM TASK 47-31-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the right ASG card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the Nitrogen Generation System Controller, M47001. To remove it, do this task: Nitrogen Generation System (NGS) Controller Removal, AMM TASK 47-31-01-000-801.
  - (c) Do a wiring check between these pins of connector XA15 at the P85A15 slot and connector DM47001B at the Nitrogen Generation System Controller, M47001.(SSM 31-09-12):

| <b>XA15</b>      | <b>DM47001B</b> |
|------------------|-----------------|
| pin 75 . . . . . | pin 55          |
| pin 78 . . . . . | pin 37          |

- (d) If you find a problem with the wiring, then do these steps:

- 1) Replace the SYSTEMS CARDFILES, P85.

These are the tasks:

Systems Card Files Removal, AMM TASK 31-09-00-000-801,

Systems Card Files Installation, AMM TASK 31-09-00-400-801.

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- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**856. LSCF ASG-L No Input from Nitrogen Generation System on NGS Bus - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17953.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Nitrogen Generation System Controller, M47001.  
These are the tasks:  
Nitrogen Generation System (NGS) Controller Removal, AMM TASK 47-31-01-000-801,  
Nitrogen Generation System (NGS) Controller Installation, AMM TASK 47-31-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the Nitrogen Generation System Controller, M47001. To remove it, do this task: Nitrogen Generation System (NGS) Controller Removal, AMM TASK 47-31-01-000-801.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector DM47001B at the Nitrogen Generation System Controller, M47001.(SSM 31-09-12):

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|              |                 |
|--------------|-----------------|
| <b>XA12</b>  | <b>DM47001B</b> |
| pin 22 ..... | pin 38          |
| pin 25 ..... | pin 39          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the SYSTEMS CARDFILES, P85.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 3) If the MAT shows ACTIVE for the maintenance message, then continue.

———— **END OF TASK** ————

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### 801. LSCF ASG-L No Input from EDIU-L Channel A on System 629 Bus-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-18401.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Engine Data Interface Unit (EDIU), M73103.

These are the tasks:

Engine Data Interface Unit (EDIU) Removal, AMM TASK 73-21-22-000-804-H00,

Engine Data Interface Unit (EDIU) Installation, AMM TASK 73-21-22-400-808-H00.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the left ASG card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B73101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects left EDIU to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:

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- (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31101 from the coupler B31101.
- (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector DB31101 at the P111 panel (SSM 31-09-12):

| XA12             | DB31101 |
|------------------|---------|
| pin 10 . . . . . | pin 5   |
| pin 7 . . . . .  | pin 4   |
| pin 9 . . . . .  | pin 2   |
| pin 6 . . . . .  | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31101.
  - 3) Re-install the left ASG card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB31101.
- (g) Re-install the left ASG card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the left Engine Data Interface Unit (EDIU) to the coupler:
  - (a) Disconnect connector DM73103 from the EDIU, M73103.
  - (b) Disconnect connector DB73101 from the coupler B73103.
  - (c) Do a wiring check between these pins of connector DM73103AF at the EDIU and connector DB73101 at the P111 panel (SSM 23-91-11):

| DM73103AF         | DB73101 |
|-------------------|---------|
| pin 6T . . . . .  | pin 2   |
| pin 6TR . . . . . | pin 1   |
| pin 4T . . . . .  | pin 5   |
| pin 4TR . . . . . | pin 4   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DM73103 and DB73101.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 802. RSCF ASG-L No Input from EDIU-L Channel A on System 629 Bus-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-18402.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Engine Data Interface Unit (EDIU), M73103.

These are the tasks:

Engine Data Interface Unit (EDIU) Removal, AMM TASK 73-21-22-000-804-H00,

Engine Data Interface Unit (EDIU) Installation, AMM TASK 73-21-22-400-808-H00.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left ASG card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B73101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects left EDIU to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:
  - (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31201 from the coupler B31201.



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- (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector DB31201 at the P111 panel (SSM 31-09-12):

| <b>XA12</b>  | <b>DB31201</b> |
|--------------|----------------|
| pin 10 ..... | pin 5          |
| pin 7 .....  | pin 4          |
| pin 9 .....  | pin 2          |
| pin 6 .....  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31201.
  - 3) Re-install the left ASG card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB31201.
- (g) Re-install the left ASG card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the left Engine Data Interface Unit (EDIU) to the coupler:
- (a) Disconnect connector DM73103 from the EDIU, M73103.
- (b) Disconnect connector DB73101 from the coupler B73101.
- (c) Do a wiring check between these pins of connector DM73103AF at the EDIU and connector DB73101 at the P111 panel (SSM 23-91-11):

| <b>DM73103AF</b> | <b>DB73101</b> |
|------------------|----------------|
| pin 6T .....     | pin 2          |
| pin 6TR .....    | pin 1          |
| pin 4T .....     | pin 5          |
| pin 4TR .....    | pin 4          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DM73103 and DB73101.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 803. LSCF ASG-L No Input from EDIU-L Channel B on System 629 Bus-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-18405.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Engine Data Interface Unit (EDIU), M73103.

These are the tasks:

Engine Data Interface Unit (EDIU) Removal, AMM TASK 73-21-22-000-804-H00,

Engine Data Interface Unit (EDIU) Installation, AMM TASK 73-21-22-400-808-H00.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left ASG card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B73103, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects left EDIU to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:
  - (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31101 from the coupler B31101.



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- (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector DB31101 at the P111 panel (SSM 31-09-12):

| <b>XA12</b>  | <b>DB31101</b> |
|--------------|----------------|
| pin 10 ..... | pin 5          |
| pin 7 .....  | pin 4          |
| pin 9 .....  | pin 2          |
| pin 6 .....  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31101.
  - 3) Re-install the left ASG card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB31101.
- (g) Re-install the left ASG card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the left Engine Data Interface Unit (EDIU) to the coupler:
- (a) Disconnect connector DM73103 from the EDIU, M73103.
  - (b) Disconnect connector DB73103 from the coupler B73103.
  - (c) Do a wiring check between these pins of connector DM73103AC at the EDIU and connector DB73103 at the P111 panel (SSM 23-91-11):

| <b>DM73103AC</b> | <b>DB73101</b> |
|------------------|----------------|
| pin 5T .....     | pin 2          |
| pin 5TR .....    | pin 1          |
| pin 4T .....     | pin 5          |
| pin 4TR .....    | pin 4          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DM73103 and DB73103.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

**804. RSCF ASG-L No Input from EDIU-L Channel B on System 629 Bus-L - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-18406.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Engine Data Interface Unit (EDIU), M73103.

These are the tasks:

Engine Data Interface Unit (EDIU) Removal, AMM TASK 73-21-22-000-804-H00,

Engine Data Interface Unit (EDIU) Installation, AMM TASK 73-21-22-400-808-H00.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left ASG card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B73101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects left EDIU to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:
  - (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31201 from the coupler B31201.





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- (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector DB31201 at the P111 panel (SSM 31-09-12):

| <b>XA12</b>  | <b>DB31201</b> |
|--------------|----------------|
| pin 10 ..... | pin 5          |
| pin 7 .....  | pin 4          |
| pin 9 .....  | pin 2          |
| pin 6 .....  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31201.
  - 3) Re-install the left ASG card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB31201.
- (g) Re-install the left ASG card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the left Engine Data Interface Unit (EDIU) to the coupler:
- (a) Disconnect connector DM73103 from the EDIU, M73103.
  - (b) Disconnect connector DB73103 from the coupler B73103.
  - (c) Do a wiring check between these pins of connector DM73103AC at the EDIU and connector DB73103 at the P111 panel (SSM 23-91-11):

| <b>DM73103AC</b> | <b>DB73101</b> |
|------------------|----------------|
| pin 5T .....     | pin 2          |
| pin 5TR .....    | pin 1          |
| pin 4T .....     | pin 5          |
| pin 4TR .....    | pin 4          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DM73103 and DB73103.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 805. RSCF ASG-R No Input from WEU-R on System 629 Bus-R - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-18600.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right Warning Electronic Unit (WEU), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the right ASG card to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31222, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects right WEU to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-R to the coupler:
  - (a) Remove the right ASG card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31202 from the coupler B31202.



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- (c) Do a wiring check between these pins of connector XA15 at the P84A15 slot and connector DB31202 at the P211 panel (SSM 31-09-22):

| <b>XA15</b>  | <b>DB31202</b> |
|--------------|----------------|
| pin 10 ..... | pin 5          |
| pin 7 .....  | pin 4          |
| pin 9 .....  | pin 2          |
| pin 6 .....  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31202.
  - 3) Re-install the right ASG card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB31202.
- (g) Re-install the right ASG card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the right Warning Electronic Unit (WEU) to the coupler:
- (a) Disconnect connector DM31207 from the right WEU, M31207.
  - (b) Disconnect connector DB31222 from the coupler B31222.
  - (c) Do a wiring check between these pins of connector DM31207AB at the right WEU and connector DB31222 at the P211 panel (SSM 31-51-23):

| <b>DM31207AB</b> | <b>DB31222</b> |
|------------------|----------------|
| pin 5T .....     | pin 5          |
| pin 5TR .....    | pin 4          |
| pin 2T .....     | pin 2          |
| pin 2TR .....    | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DM31207 and DB31222.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

**806. LSCF ASG-R No Input from EDIU-R Channel A on System 629 Bus-R - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-18611.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right Engine Data Interface Unit (EDIU), M73203.

These are the tasks:

Engine Data Interface Unit (EDIU) Removal, AMM TASK 73-21-22-000-804-H00,

Engine Data Interface Unit (EDIU) Installation, AMM TASK 73-21-22-400-808-H00.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the right ASG card to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B73201, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects right EDIU to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-R to the coupler:
  - (a) Remove the right ASG card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31102 from the coupler B31102.



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- (c) Do a wiring check between these pins of connector XA15 at the P85A15 slot and connector DB31102 at the P111 panel (SSM 31-09-12):

| <b>XA15</b>      | <b>DB31102</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31102.
  - 3) Re-install the right ASG card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB31102.
- (g) Re-install the right ASG card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the right Engine Data Interface Unit (EDIU) to the coupler:
- (a) Disconnect connector DM73203 from the EDIU, M73203.
  - (b) Disconnect connector DB73201 from the coupler B73201.
  - (c) Do a wiring check between these pins of connector DM73203AF at the EDIU and connector DB73201 at the P211 panel (SSM 23-91-11):

| <b>DM73203AF</b>  | <b>DB73201</b> |
|-------------------|----------------|
| pin 6T . . . . .  | pin 2          |
| pin 6TR . . . . . | pin 1          |
| pin 4T . . . . .  | pin 5          |
| pin 4TR . . . . . | pin 4          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DM73203 and DB73201.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

**807. RSCF ASG-R No Input from EDIU-R Channel A on System 629 Bus-R - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-18612.

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## 777-200/300 FAULT ISOLATION MANUAL

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right Engine Data Interface Unit (EDIU), M73203.

These are the tasks:

Engine Data Interface Unit (EDIU) Removal, AMM TASK 73-21-22-000-804-H00,

Engine Data Interface Unit (EDIU) Installation, AMM TASK 73-21-22-400-808-H00.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the right ASG card to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B73201, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects right EDIU to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-R to the coupler:
  - (a) Remove the right ASG card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31202 from the coupler B31202.



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- (c) Do a wiring check between these pins of connector XA15 at the P84A15 slot and connector DB31202 at the P211 panel (SSM 31-09-12):

| <b>XA15</b>      | <b>DB31202</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31202.
  - 3) Re-install the right ASG card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB31202.
- (g) Re-install the right ASG card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the right Engine Data Interface Unit (EDIU) to the coupler:
- (a) Disconnect connector DM73203 from the EDIU, M73203.
  - (b) Disconnect connector DB73201 from the coupler B73201.
  - (c) Do a wiring check between these pins of connector DM73203AF at the EDIU and connector DB73201 at the P211 panel (SSM 23-91-11):

| <b>DM73203AF</b>  | <b>DB73201</b> |
|-------------------|----------------|
| pin 6T . . . . .  | pin 2          |
| pin 6TR . . . . . | pin 1          |
| pin 4T . . . . .  | pin 5          |
| pin 4TR . . . . . | pin 4          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DM73203 and DB73201.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**808. LSCF ASG-R No Input from EDIU-R Channel B on System 629 Bus-R - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-18615.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right Engine Data Interface Unit (EDIU), M73203.

These are the tasks:

Engine Data Interface Unit (EDIU) Removal, AMM TASK 73-21-22-000-804-H00,

Engine Data Interface Unit (EDIU) Installation, AMM TASK 73-21-22-400-808-H00.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the right ASG card to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B73103, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects right EDIU to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-R to the coupler:
  - (a) Remove the right ASG card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31102 from the coupler B31102.





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- (c) Do a wiring check between these pins of connector XA15 at the P85A15 slot and connector DB31102 at the P111 panel (SSM 31-09-12):

| <b>XA15</b>  | <b>DB31102</b> |
|--------------|----------------|
| pin 10 ..... | pin 5          |
| pin 7 .....  | pin 4          |
| pin 9 .....  | pin 2          |
| pin 6 .....  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31102.
  - 3) Re-install the right ASG card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB31102.
- (g) Re-install the right ASG card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the right Engine Data Interface Unit (EDIU) to the coupler:
- (a) Disconnect connector DM73203 from the EDIU, M73203.
  - (b) Disconnect connector DB73203 from the coupler B73203.
  - (c) Do a wiring check between these pins of connector DM73203AC at the EDIU and connector DB73203 at the P211 panel (SSM 23-91-11):

| <b>DM73203AC</b> | <b>DB73203</b> |
|------------------|----------------|
| pin 5T .....     | pin 2          |
| pin 5TR .....    | pin 1          |
| pin 4T .....     | pin 5          |
| pin 4TR .....    | pin 4          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DM73203 and DB73203.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

**809. RSCF ASG-R No Input from EDIU-R Channel B on System 629 Bus-R - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-18616.

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## 777-200/300 FAULT ISOLATION MANUAL

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right Engine Data Interface Unit (EDIU), M73203.

These are the tasks:

Engine Data Interface Unit (EDIU) Removal, AMM TASK 73-21-22-000-804-H00,

Engine Data Interface Unit (EDIU) Installation, AMM TASK 73-21-22-400-808-H00.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the right ASG card to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B73203, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the right EDIU to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-R to the coupler:
  - (a) Remove the right ASG card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31202 from the coupler B31202.



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- (c) Do a wiring check between these pins of connector XA15 at the P84A15 slot and connector DB31202 at the P211 panel (SSM 31-09-12):

| <b>XA15</b>      | <b>DB31202</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31202.
  - 3) Re-install the right ASG card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB31202.
- (g) Re-install the right ASG card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the right Engine Data Interface Unit (EDIU) to the coupler:
- (a) Disconnect connector DM73203 from the EDIU, M73203.
  - (b) Disconnect connector DB73203 from the coupler B73203.
  - (c) Do a wiring check between these pins of connector DM73203AC at the EDIU and connector DB73203 at the P211 panel (SSM 23-91-11):

| <b>DM73203AC</b>  | <b>DB73203</b> |
|-------------------|----------------|
| pin 5T . . . . .  | pin 2          |
| pin 5TR . . . . . | pin 1          |
| pin 4T . . . . .  | pin 5          |
| pin 4TR . . . . . | pin 4          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DM73203 and DB73203.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

**810. LSCF ASG-L No Output on any bus - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-18801.

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### B. Fault Isolation Procedure

- (1) Make sure the A18 power switch on the Left System Cardfile is in the ON position. If the switch is in the OFF position put it in the ON position.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left ARINC Signal Gateway (ASG) card, P85A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801.  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

————— END OF TASK —————

### 811. RSCF ASG-L No Output on any bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-18802.

#### B. Fault Isolation Procedure

- (1) Make sure the A18 power switch on the Right System Cardfile is in the ON position. If the switch is in the OFF position put it in the ON position.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left ARINC Signal Gateway (ASG) card, P84A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801.  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

————— END OF TASK —————

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## 777-200/300 FAULT ISOLATION MANUAL

### 812. LSCF ASG-R No Output on any bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-18803.

#### B. Fault Isolation Procedure

- (1) Make sure the A18 power switch on the Left System Cardfile is in the ON position. If the switch is in the OFF position put it in the ON position.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right ARINC Signal Gateway (ASG) card, P85A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801.

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

————— END OF TASK —————

### 813. RSCF ASG-R No Output on any bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-18804.

#### B. Fault Isolation Procedure

- (1) Make sure the A18 power switch on the Right System Cardfile is in the ON position. If the switch is in the OFF position put it in the ON position.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right ARINC Signal Gateway (ASG) card, P84A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801.

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

### — END OF TASK —

#### 814. LSCF ASG-L to Systems 629 Bus-L Communication Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-18841, 31-18842.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left ASG card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring from the left ASG card to the coupler:
  - (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31101 from the coupler, B31101.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector DB31101 at the P111 panel (SSM 31-09-12):

| XA12   |       | DB31101 |
|--------|-------|---------|
| pin 6  | ..... | pin 1   |
| pin 9  | ..... | pin 2   |
| pin 7  | ..... | pin 4   |
| pin 10 | ..... | pin 5   |

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
    - 2) Re-connect connector DB31101.

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- 3) Re-install the left ASG card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 815. RSCF ASG-L to Systems 629 Bus-L Communication Problems - Fault Isolation

#### A. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### B. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left ASG card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring from the left ASG card to the coupler:
    - (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
    - (b) Disconnect connector DB31201 from the coupler, B31201.
    - (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector DB31201 at the P111 panel (SSM 31-09-22):

| <b>XA12</b> |       | <b>DB31201</b> |
|-------------|-------|----------------|
| pin 6       | ..... | pin 1          |
| pin 9       | ..... | pin 2          |
| pin 7       | ..... | pin 4          |
| pin 10      | ..... | pin 5          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).

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- 2) Re-connect connector DB31201.
- 3) Re-install the left ASG card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 816. LSCF ASG-R to Systems 629 Bus-R Communication Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-18863.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31102, in the P211 panel.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.  
**NOTE:** This coupler connects the right ASG card to the Systems 629 Bus-R.
    - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
  - (3) Do this check of the wiring from the right ASG card to the coupler:
    - (a) Remove the right ASG card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
    - (b) Disconnect connector DB31102 from the coupler, B31102.
    - (c) Do a wiring check between these pins of connector XA15 at the P85A15 slot and connector DB31102 at the P211 panel (SSM 31-09-12):

| <b>XA15</b> |       | <b>DB31102</b> |
|-------------|-------|----------------|
| pin 6       | ..... | pin 1          |
| pin 9       | ..... | pin 2          |
| pin 7       | ..... | pin 4          |
| pin 10      | ..... | pin 5          |

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- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31102.
  - 3) Re-install the right ASG card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### **817. RSCF ASG-R to Systems 629 Bus-R Communication Problems - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-18864.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the right ASG card to the Systems 629 Bus-R.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring from the right ASG card to the coupler:
  - (a) Remove the right ASG card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31202 from the coupler, B31202.
  - (c) Do a wiring check between these pins of connector XA15 at the P84A15 slot and connector DB31202 at the P211 panel (SSM 31-09-22):

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| XA15         | DB31202 |
|--------------|---------|
| pin 6 .....  | pin 1   |
| pin 9 .....  | pin 2   |
| pin 7 .....  | pin 4   |
| pin 10 ..... | pin 5   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31202.
  - 3) Re-install the right ASG card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

## 818. LSCF ASG-L to ASG Global on Systems 429 Bus Communication Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-18891.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.
- These are the tasks:
- ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Do a check for a short to ground at test connector pins 10 and 23 at connector DP8511.
- (b) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

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### 819. RSCF ASG-L to ASG Global on Systems 429 Bus Communication Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-18892.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Do a check for a short to ground at test connector pins 10 and 23 at connector DP8411.
  - (b) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 820. LSCF ASG-R to ASG Global on Systems 429 Bus Communication Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-18893.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15.

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These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Do a check for a short to ground at test connector pins 10 and 23 at connector DP8511.
  - (b) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 821. RSCF ASG-R to ASG Global on Systems 429 Bus Communication Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-18894.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Do a check for a short to ground at test connector pins 10 and 23 at connector DP8411.
  - (b) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

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### 801. LSCF ASG-L No Input from ASCPC-L on Systems 629 Bus-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17429.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Air Supply Cabin Pressure Controller (ASCPC), M36111.

These are the tasks:

ASCPC Removal, AMM TASK 36-11-20-000-801,

ASCPC Installation, AMM TASK 36-11-20-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the left ASG card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B36233, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the left ASCPC to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:

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- (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31101 from the coupler B31101.
- (c) Do a wiring check between these pins of connector XA12 at the P85A12 shelf and connector DB31101 at the P111 panel (SSM 31-09-12):

| XA12             | DB31101 |
|------------------|---------|
| pin 10 . . . . . | pin 5   |
| pin 7 . . . . .  | pin 4   |
| pin 9 . . . . .  | pin 2   |
| pin 6 . . . . .  | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-connect connector DB31101.
  - 3) Re-install the left ASG card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (6) Do this check of the wiring from the left ASCPC to the coupler:
  - (a) Disconnect connector DM36111 from the left ASCPC, M36111.
  - (b) Disconnect connector DB36233 from the coupler B36233.
  - (c) Do a wiring check between these pins of connector DM36111 at the left ASCPC and connector DB36223 at the P111 panel (WDM 36-21-11):

| DM36111           | DB36223 |
|-------------------|---------|
| pin 2T . . . . .  | pin 5   |
| pin 2TR . . . . . | pin 4   |
| pin 1T . . . . .  | pin 2   |
| pin 1TR . . . . . | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DM36111 and DB36223.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connectors DM36111 and DB31116.
- (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 802. LSCF ASG-L No Input from VSCF on Systems 629 Bus-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17441.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Backup Generator Converter (VSCF), M24008.

These are the tasks:

Backup Generator Converter Removal, AMM TASK 24-25-09-000-801,

Backup Generator Converter Installation, AMM TASK 24-25-09-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left ASG card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24102, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the VSCF to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:
  - (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31101 from the coupler B31101.





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- (c) Do a wiring check between these pins of connector XA12 at the P85A12 shelf and connector DB31101 at the P111 panel (SSM 31-09-12):

| <b>XA12</b>  | <b>DB31101</b> |
|--------------|----------------|
| pin 10 ..... | pin 5          |
| pin 7 .....  | pin 4          |
| pin 9 .....  | pin 2          |
| pin 6 .....  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-connect connector DB31101.
  - 3) Re-install the left ASG card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (6) Do this check of the wiring from the VSCF to the coupler:
- (a) Disconnect connector DM24008 from the VSCF, M24008.
  - (b) Disconnect connector DB24102 from the coupler B24102.
  - (c) Do a wiring check between these pins of connector DM24008 at the VSCF and connector DB24102 at the P111 panel (WDM 24-25-33):

| <b>DM24008</b> | <b>DB24102</b> |
|----------------|----------------|
| pin 5 .....    | pin 5          |
| pin 4 .....    | pin 4          |
| pin 2 .....    | pin 2          |
| pin 1 .....    | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-connect connectors DM24008 and DB24102.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 803. LSCF ASG-L to ASG External Signal on Systems 429 Bus Communication Problems - Fault Isolation

#### A. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### B. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Remove the Lower Cargo Smoke Detector (CSD) - Forward, M26060. To remove it, do this task: Lower Cargo Smoke Detector Removal, AMM TASK 26-16-01-000-801.
- (c) Do a wiring check between these pins of connector XA12 at the P85A12 shelf and connector DM26060A at the CSD - Forward (SSM 31-09-12):

| XA12             | DM26060A |
|------------------|----------|
| pin 22 . . . . . | pin 30   |
| pin 25 . . . . . | pin 31   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the CSD - Forward, M26060. To install it, do this task: Lower Cargo Smoke Detector Removal, AMM TASK 26-16-01-000-801.
  - 3) Re-install the left ASG card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 804. LSCF ASG-L Internal Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-13011.

#### B. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, A12, in the Left Systems Cardfile, P85.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the left ASG card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 805. LSCF ASG-R Internal Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-13012.

#### **B. Fault Isolation Procedure**

- (1) Replace the right ARINC Signal Gateway (ASG) card, A15, in the Left Systems Cardfile (LSCF), P85.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the right ASG card to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 806. RSCF ASG-L Internal Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-13013.

#### **B. Fault Isolation Procedure**

- (1) Replace the left ARINC Signal Gateway (ASG) card, A12, in the Right Systems Cardfile, P84.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the left ASG card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 807. RSCF ASG-R Internal Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-13014.

#### **B. Fault Isolation Procedure**

- (1) Replace the right ARINC Signal Gateway (ASG) card, A15, in the Right Systems Cardfile (RSCF), P84.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the right ASG card to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 808. LSCF ASG-L Program Pin Wiring - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-13021.

#### **B. Fault Isolation Procedure**

- (1) Do this check of the wiring:
  - (a) Disconnect connector DP8510 from the Left Systems Cardfile (LSCF), P85.
  - (b) Do a check of the program pin wiring for the left ASG card, P85A12, at connector DP8510 (SSM 31-09-12).
  - (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.

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- 2) Re-connect connector DP8510 to the LSCF.
- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**809. LSCF ASG-R Program Pin Wiring - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-13022.

**B. Fault Isolation Procedure**

- (1) Do this check of the wiring:
  - (a) Disconnect connector DP8511 from the Left Systems Cardfile (LSCF), P85.
  - (b) Do a check of the program pin wiring for the right ASG card, P85A15, at connector DP8511 (SSM 31-09-12).
  - (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-connect connector DP8511 to the LSCF.
    - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**810. RSCF ASG-L Program Pin Wiring - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-13023.

**B. Fault Isolation Procedure**

- (1) Do this check of the wiring:
  - (a) Disconnect connector DP8410 from the Right Systems Cardfile (RSCF), P84.
  - (b) Do a check of the program pin wiring for the left ASG card, P84A12, at connector DP8410 (SSM 31-09-22).
  - (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-connect connector DP8410 to the RSCF.
    - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**811. RSCF ASG-R Program Pin Wiring - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-13024.

**B. Fault Isolation Procedure**

- (1) Do this check of the wiring:
  - (a) Disconnect connector DP8411 from the Right Systems Cardfile (RSCF), P84.

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- (b) Do a check of the program pin wiring for the right ASG card, P84A15, at connector DP8411 (SSM 31-09-22).
- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-connect connector DP8411 to the RSCF.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### 812. LSCF ASG-L No Input from LSCF Linear/Monitor-1 on Power Supply-1 429 bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-14011.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, A12, in the Left Systems Cardfile (LSCF), P85.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Linear/Monitor power supply circuit card, A3, in the LSCF, P85.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the Linear/Monitor power supply circuit card, P85A3. To remove it, do this task: Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801

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- (c) Do a wiring check between these pins of connector XA12 at the P85A12 shelf and connector XA3 at the P85A3 shelf (SSM 31-09-11):

| XA12         | XA3     |
|--------------|---------|
| pin 53 ..... | pin 102 |
| pin 56 ..... | pin 103 |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the SYSTEMS CARDFILES, P85.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 813. LSCF ASG-R No Input from LSCF Linear/Monitor-1 on Power Supply-1 429 bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-14012.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, A15, in the Left Systems Cardfile (LSCF), P85.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Linear/Monitor power supply circuit card, P85A3.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,  
Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (3) Do this check of the wiring:
- (a) Remove the right ASG card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the Linear/Monitor power supply circuit card, P85A3. To remove it, do this task: Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801.
  - (c) Do a wiring check between these pins of connector XA15 at the P85A15 shelf and connector XA3 at the P85A3 shelf (SSM 31-09-11):

| <b>XA15</b>  | <b>XA3</b> |
|--------------|------------|
| pin 53 ..... | pin 102    |
| pin 56 ..... | pin 103    |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the SYSTEMS CARDFILES, P84.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 814. RSCF ASG-L No Input from RSCF Linear/Monitor-1 on Power Supply-1 429 bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-14013.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, A12, in the Right Systems Cardfile (RSCF), P84.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Linear/Monitor power supply circuit card, A3, in the RSCF, P84.

These are the tasks:

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Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the Linear/Monitor power supply circuit card, P84A3. To remove it, do this task: Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801.
  - (c) Do a wiring check between these pins of connector XA12 at the P84A12 shelf and connector XA3 at the P84A3 shelf (SSM 31-09-21):

| XA12             | XA3     |
|------------------|---------|
| pin 53 . . . . . | pin 102 |
| pin 56 . . . . . | pin 103 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the SYSTEMS CARDFILES, P84.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

## 815. RSCF ASG-R No Input from RSCF Linear/Monitor-1 on Power Supply-1 429 bus - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-14014.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, A15, in the Right Systems Cardfile (RSCF), P84.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Linear/Monitor power supply circuit card, P84A3.  
These are the tasks:  
Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,  
Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the right ASG card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the Linear/Monitor power supply circuit card, P84A3. To remove it, do this task: Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801
  - (c) Do a wiring check between these pins of connector XA15 at the P84A15 shelf and connector XA3 at the P84A3 shelf (SSM 31-09-21):

|                  |            |
|------------------|------------|
| <b>XA15</b>      | <b>XA3</b> |
| pin 53 . . . . . | pin 102    |
| pin 56 . . . . . | pin 103    |
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the SYSTEMS CARDFILES, P84.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 816. LSCF Linear/Monitor-1 no output on Power Supply-1 429 bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-14015.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

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- (1) Replace the power supply unit (PSU) linear/monitor-1 card, A3, in the Left Systems Cardfile (LSCF), P85.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (2) Replace the power supply unit (PSU) linear/monitor-2 card, A18, in the Left Systems Cardfile (LSCF), P85.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (3) Do this check of the wiring:

- (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Remove the right ASG card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (c) Remove the PSU Linear/Monitor card, P85A3. To remove it, do this task: Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801.
- (d) Do a wiring check between these pins of connector XA12 at the P85A12 shelf and connector XA3 at the P85A3 shelf (SSM 31-09-21):

| <b>XA15</b>      | <b>XA3</b> |
|------------------|------------|
| pin 53 . . . . . | pin 102    |
| pin 56 . . . . . | pin 103    |

- (e) Do a wiring check between these pins of connector XA15 at the P85A15 shelf and connector XA3 at the P85A3 shelf (SSM 31-09-21):

| <b>XA12</b>      | <b>XA3</b> |
|------------------|------------|
| pin 53 . . . . . | pin 102    |
| pin 56 . . . . . | pin 103    |

- (f) If you find a problem with the wiring, then do these steps:

- 1) Replace the SYSTEMS CARDFILES, P85.

These are the tasks:

Systems Card Files Removal, AMM TASK 31-09-00-000-801,

Systems Card Files Installation, AMM TASK 31-09-00-400-801.

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

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## 777-200/300 FAULT ISOLATION MANUAL

### 817. RSCF Linear/Monitor-1 no output on Power Supply-1 429 bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-14016.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the power supply unit (PSU) linear/monitor-1 card, A3, in the Right Systems Cardfile (RSCF), P84.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the power supply unit (PSU) linear/monitor-2 card, A18, in the Right Systems Cardfile (RSCF), P84.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the right ASG card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (c) Remove the PSU Linear/Monitor card, P84A3. To remove it, do this task: Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801.
  - (d) Do a wiring check between these pins of connector XA12 at the P84A12 shelf and connector XA3 at the P84A3 shelf (SSM 31-09-21):

| XA12         | XA3     |
|--------------|---------|
| pin 53 ..... | pin 102 |
| pin 56 ..... | pin 103 |

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- (e) Do a wiring check between these pins of connector XA15 at the P84A15 shelf and connector XA3 at the P84A3 shelf (SSM 31-09-21):

| XA15         | XA3     |
|--------------|---------|
| pin 53 ..... | pin 102 |
| pin 56 ..... | pin 103 |

- (f) If you find a problem with the wiring, then do these steps:
- 1) Replace the SYSTEMS CARDFILES, P84.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 818. Systems Cardfile Linear/Monitor-1 internal fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-14017, 31-14018.

#### B. Fault Isolation Procedure

- (1) Replace the power supply unit (PSU) linear/monitor-1 card, A3, in the Left Systems Cardfile P85 or the Right Systems Cardfile P84, as applicable.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 819. Systems Cardfile Linear/Monitor-1 Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-14021, 31-14022, 31-14023, 31-14024.

#### B. Fault Isolation Procedure

- (1) Make sure the A3 power switches on the applicable Left or Right Systems Cardfile are in the ON position.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (2) Replace the Linear/Monitor power supply circuit card, A3, in the Left Systems Cardfile P85 or the Right Systems Cardfile P84, as applicable.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

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## 31-09 TASKS 817-819

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 820. Systems Cardfile Power Supply Preregulator-1 not available - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-14031, 31-14043.

##### B. Initial Evaluation

- (1) Check the position of the battery switch(S3) on the P5 panel.

- (a) If the battery switch is in the OFF position, then no maintenance action is necessary.

**NOTE:** With the battery switch in the OFF position, the battery power input to the LSCF and RSCF power supply unit (PSU) preregulator-1 is removed. This message shows that power is absent. A few seconds after you move the battery switch to the ON position, the message will clear.

- (b) If the S3 switch is in the ON position, then continue.

##### C. Fault Isolation Procedure

- (1) Interchange the A3 and A18 Linear Monitor (Lin/Mon) cards in the Left Systems Card file P85 or the Right Systems Cardfile P84, if necessary.

Do these tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801

- (a) If the fault continues after the Left and the Right Cardfile interchange, replace the applicable Lin/Mon Card.

- (2) Replace the power supply unit (PSU) preregulator-1 card, A2, in the Left Systems Cardfile P85 or the Right Systems Cardfile P84, as applicable.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (3) Replace the A3 and A18 Linear Monitor (Lin/Mon) cards in the Left Systems Card file P85.

Do these tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (4) Replace the A3 and A18 Linear Monitor (Lin/Mon) cards in the Right Systems Cardfile P84.

Do these tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check for 28V DC at the circuit breaker of the power supply unit (PSU) preregulator-1 card, A2, in the Left Systems Cardfile P85 or the Right Systems Cardfile P84, as applicable.

- (a) Make sure that these circuit breakers are closed:

### Standby Power Management Panel, P310

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| J          | 1          | C31634        | LSCF PS 1   |
| J          | 2          | C31638        | RSCF PS 1   |

- (b) Do a check for 28V DC between terminal 2 for the applicable circuit breaker and structure ground. (SSM 31-09-11, 31-09-21)
- (c) If there is no 28V DC at terminal 2 for the applicable circuit breaker, then do these steps:
  - 1) Replace the applicable circuit breaker.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 3) If the MAT shows ACTIVE for the maintenance message, then continue.
- (d) If there is 28V DC at terminal 2 for the applicable circuit breaker, then continue.
- (6) Replace the relay.
  - (a) Open these circuit breakers and install safety tags:

### Right Power Management Panel, P210

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| L          | 14         | C31641        | RSCF PS 2   |

### Standby Power Management Panel, P310

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>     |
|------------|------------|---------------|-----------------|
| C          | 6          | C31637        | LSCF PS 2       |
| J          | 1          | C31634        | LSCF PS 1       |
| J          | 2          | C31638        | RSCF PS 1       |
| K          | 5          | C24633        | P310 PSU A ALTN |

- (b) Replace the relay, K31003.
- (c) Close these circuit breakers:

### Right Power Management Panel, P210

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| L          | 14         | C31641        | RSCF PS 2   |

### Standby Power Management Panel, P310

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>     |
|------------|------------|---------------|-----------------|
| C          | 6          | C31637        | LSCF PS 2       |
| J          | 1          | C31634        | LSCF PS 1       |
| J          | 2          | C31638        | RSCF PS 1       |
| K          | 5          | C24633        | P310 PSU A ALTN |

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- (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (7) Do this check of the wiring for the power supply unit (PSU) preregulator-1 card, A2, in the Left Systems Cardfile P85 as applicable.

- (a) Open these circuit breakers and install safety tags:

**Right Power Management Panel, P210**

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| L          | 14         | C31641        | RSCF PS 2   |

**Standby Power Management Panel, P310**

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>     |
|------------|------------|---------------|-----------------|
| C          | 6          | C31637        | LSCF PS 2       |
| J          | 1          | C31634        | LSCF PS 1       |
| J          | 2          | C31638        | RSCF PS 1       |
| K          | 5          | C24633        | P310 PSU A ALTN |

- (b) Disconnect the relay, K31003.
- (c) Remove the power supply unit (PSU) preregulator-1 card, A2, in the Left Systems Cardfile P85, do this task: Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801.
- (d) Do a wiring check between these pins of the PSU connector, DP8501 and the relay connector, DK31003: (SSM 31-09-11, 31-09-21)

| <b>DP8501</b>   | <b>DK31003</b> |
|-----------------|----------------|
| pin 1 . . . . . | pin A1         |

- (e) Do a wiring check between these pins of the circuit breaker, C31634 and the relay connector, DK31003: (SSM 31-09-11, 31-09-21)

| <b>C31634</b>   | <b>DK31003</b> |
|-----------------|----------------|
| pin 2 . . . . . | pin A2         |

- (f) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-connect the relay, K31003.
  - 3) Re-install the power supply unit (PSU) preregulator-1 card, A2, in the Left Systems Cardfile P85, do this task: Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.
  - 4) Close these circuit breakers:

**Right Power Management Panel, P210**

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| L          | 14         | C31641        | RSCF PS 2   |

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### Standby Power Management Panel, P310

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>     |
|------------|------------|---------------|-----------------|
| C          | 6          | C31637        | LSCF PS 2       |
| J          | 1          | C31634        | LSCF PS 1       |
| J          | 2          | C31638        | RSCF PS 1       |
| K          | 5          | C24633        | P310 PSU A ALTN |

- 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 6) If the MAT shows ACTIVE for the maintenance message, then continue.
- (g) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect the relay, K31003.
  - 2) Re-install the power supply unit (PSU) preregulator-1 card, A2, in the Left Systems Cardfile P85, do this task: Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.
  - 3) Close these circuit breakers:

### Right Power Management Panel, P210

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| L          | 14         | C31641        | RSCF PS 2   |

### Standby Power Management Panel, P310

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>     |
|------------|------------|---------------|-----------------|
| C          | 6          | C31637        | LSCF PS 2       |
| J          | 1          | C31634        | LSCF PS 1       |
| J          | 2          | C31638        | RSCF PS 1       |
| K          | 5          | C24633        | P310 PSU A ALTN |

- (8) Do this check of the wiring for the power supply unit (PSU) preregulator-1 card, A2, in the Right Systems Cardfile P84 as applicable.
  - (a) Open these circuit breakers and install safety tags:

### Right Power Management Panel, P210

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| L          | 14         | C31641        | RSCF PS 2   |

### Standby Power Management Panel, P310

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>     |
|------------|------------|---------------|-----------------|
| C          | 6          | C31637        | LSCF PS 2       |
| J          | 1          | C31634        | LSCF PS 1       |
| J          | 2          | C31638        | RSCF PS 1       |
| K          | 5          | C24633        | P310 PSU A ALTN |

- (b) Disconnect the relay, K31003.
- (c) Remove the power supply unit (PSU) preregulator-1 card, A2, in the Right Systems Cardfile P84, do this task: Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801.

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- (d) Do a wiring check between these pins of the PSU connector, DP8401 and the relay connector, DK31003: (SSM 31-09-11, 31-09-21)

|                 |                |
|-----------------|----------------|
| <b>DP8401</b>   | <b>DK31003</b> |
| pin 1 . . . . . | pin B1         |

- (e) Do a wiring check between these pins of the circuit breaker, C31638 and the relay connector, DK31003: (SSM 31-09-11, 31-09-21)

|                 |                |
|-----------------|----------------|
| <b>C31638</b>   | <b>DK31003</b> |
| pin 2 . . . . . | pin B2         |

- (f) Do a wiring check between these pins of the battery switch, S3 and the relay connector, DK31003: (SSM 31-09-11, 31-09-21)

|                  |                |
|------------------|----------------|
| <b>DM24023</b>   | <b>DK31003</b> |
| pin 43 . . . . . | pin X2         |

- (g) Do a wiring check between pin 12 of connector DM24023 of the battery switch, S3 and the structure ground: (SSM 31-09-11, 31-09-21)

- (h) If you find a problem with the wiring, then do these steps:

- 1) Repair the wiring.
- 2) Re-connect the relay, K31003.
- 3) Re-install the power supply unit (PSU) preregulator-1 card, A2, in the Right Systems Cardfile P84, do this task: Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.
- 4) Close these circuit breakers:

**Right Power Management Panel, P210**

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| L          | 14         | C31641        | RSCF PS 2   |

**Standby Power Management Panel, P310**

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>     |
|------------|------------|---------------|-----------------|
| C          | 6          | C31637        | LSCF PS 2       |
| J          | 1          | C31634        | LSCF PS 1       |
| J          | 2          | C31638        | RSCF PS 1       |
| K          | 5          | C24633        | P310 PSU A ALTN |

- 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

**821. LSCF ASG-L No Input from LSCF Linear/Monitor-2 on Power Supply-2 429 bus - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-14051.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, A12, in the Left Systems Cardfile (LSCF), P85.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Linear/Monitor power supply circuit card, A18, in the LSCF, P85.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the Linear/Monitor power supply circuit card, P85A18. To remove it, do this task: Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A12 shelf and connector XA18 at the P85A18 shelf (SSM 31-09-11):

| <b>XA12</b>      | <b>XA18</b> |
|------------------|-------------|
| pin 59 . . . . . | pin 102     |
| pin 62 . . . . . | pin 103     |

- (d) If you find a problem with the wiring, then do these steps:

- 1) Replace the SYSTEMS CARDFILES, P85.

These are the tasks:

Systems Card Files Removal, AMM TASK 31-09-00-000-801,

Systems Card Files Installation, AMM TASK 31-09-00-400-801.

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- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 822. LSCF ASG-R No Input from LSCF Linear/Monitor-2 on Power Supply-2 429 bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-14052.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, A15, in the Left Systems Cardfile (LSCF), P85.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Linear/Monitor power supply circuit card, A18, in the LSCF, P85.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the right ASG card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the Linear/Monitor power supply circuit card, P85A18. To remove it, do this task: Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801.
  - (c) Do a wiring check between these pins of connector XA15 at the P85A15 shelf and connector XA18 at the P85A18 shelf (SSM 31-09-11):

#### **XA15**

pin 59 .....  
pin 62 .....

#### **XA18**

pin 102  
pin 103

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- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the SYSTEMS CARDFILES, P85.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 823. RSCF ASG-L No Input from RSCF Linear/Monitor-2 on Power Supply-2 429 bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-14053.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left ARINC Signal Gateway (ASG) card, A12, in the Right Systems Cardfile (RSCF), P84.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Linear/Monitor power supply circuit card, A18, in the RSCF, P84.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,  
Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
    - (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
    - (b) Remove the Linear/Monitor power supply circuit card, P84A18. To remove it, do this task: Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801.

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- (c) Do a wiring check between these pins of connector XA12 at the P84A12 shelf and connector XA18 at the P84A18 shelf (SSM 31-09-21):

| XA12         | XA18    |
|--------------|---------|
| pin 59 ..... | pin 102 |
| pin 62 ..... | pin 103 |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the SYSTEMS CARDFILES, P84.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 824. **RSCF ASG-R No Input from RSCF Linear/Monitor-2 on Power Supply-2 429 bus - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-14054.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right ARINC Signal Gateway (ASG) card, A15, in the Right Systems Cardfile (RSCF), P84.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Linear/Monitor power supply circuit card, A18, in the RSCF, P84.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,  
Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (3) Do this check of the wiring:
- (a) Remove the right ASG card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the Linear/Monitor power supply circuit card, P84A18. To remove it, do this task: Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801
  - (c) Do a wiring check between these pins of connector XA15 at the P84A15 shelf and connector XA18 at the P84A18 shelf (SSM 31-09-21):

| XA15         | XA18    |
|--------------|---------|
| pin 59 ..... | pin 102 |
| pin 62 ..... | pin 103 |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the SYSTEMS CARDFILES, P84.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 825. LSCF Linear/Monitor-2 no output on Power Supply-2 429 bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-14055.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the power supply unit (PSU) linear/monitor-2 card, A18, in the Left Systems Cardfile (LSCF), P85.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,  
Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the power supply unit (PSU) linear/monitor-1 card, A3, in the Left Systems Cardfile (LSCF), P85.

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These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the right ASG card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (c) Remove the PSU Linear/Monitor card, P85A18. To remove it, do this task: Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801.
  - (d) Do a wiring check between these pins of connector XA12 at the P85A12 shelf and connector XA18 at the P85A18 shelf (SSM 31-09-21):

| <b>XA12</b>  | <b>XA18</b> |
|--------------|-------------|
| pin 53 ..... | pin 102     |
| pin 56 ..... | pin 103     |

- (e) Do a wiring check between these pins of connector XA15 at the P85A15 shelf and connector XA18 at the P85A18 shelf (SSM 31-09-21):

| <b>XA15</b>  | <b>XA18</b> |
|--------------|-------------|
| pin 53 ..... | pin 102     |
| pin 56 ..... | pin 103     |

- (f) If you find a problem with the wiring, then do these steps:
  - 1) Replace the SYSTEMS CARDFILES, P85.  
These are the tasks:  
Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 826. RSCF Linear/Monitor-2 no output on Power Supply-2 429 bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-14056.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the power supply unit (PSU) linear/monitor-1 card, A18, in the Right Systems Cardfile (RSCF), P84.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the power supply unit (PSU) linear/monitor-2 card, A3, in the Right Systems Cardfile (RSCF), P84.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Remove the right ASG card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (c) Remove the PSU Linear/Monitor circuit card, P84A18. To remove it, do this task: Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801
  - (d) Do a wiring check between these pins of connector XA12 at the P84A12 shelf and connector XA18 at the P84A18 shelf (SSM 31-09-21):

| <b>XA12</b>      | <b>XA18</b> |
|------------------|-------------|
| pin 53 . . . . . | pin 102     |
| pin 56 . . . . . | pin 103     |

- (e) Do a wiring check between these pins of connector XA15 at the P84A15 shelf and connector XA18 at the P84A18 shelf (SSM 31-09-21):

| <b>XA15</b>      | <b>XA18</b> |
|------------------|-------------|
| pin 53 . . . . . | pin 102     |
| pin 56 . . . . . | pin 103     |

- (f) If you find a problem with the wiring, then do these steps:

- 1) Replace the SYSTEMS CARDFILES, P84.

These are the tasks:

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Systems Card Files Removal, AMM TASK 31-09-00-000-801,  
Systems Card Files Installation, AMM TASK 31-09-00-400-801.

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 827. Systems Cardfile Linear/Monitor-2 internal fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-14057, 31-14058.

#### B. Fault Isolation Procedure

- (1) Replace the power supply unit (PSU) linear/monitor-2 card, A18, in Left Systems Cardfile P85 or the Right Systems Cardfile P84, as applicable.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 828. Systems Cardfile Linear/Monitor-1 Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-14061, 31-14062, 31-14063, 31-14064.

#### B. Fault Isolation Procedure

- (1) Make sure the A18 power switches on the applicable Left or Right Systems Cardfile are in the ON position.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (2) Replace the power supply unit (PSU) Linear/Monitor card, A18, in the Left Systems Cardfile P85 or the Right Systems Cardfile P84, as applicable.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 829. Systems Cardfile Power Supply Preregulator-2 Not Available - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-14072, 31-14084.

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### B. Fault Isolation Procedure

- (1) Interchange the A3 and A18 Linear Monitor (Lin/Mon) cards in the Left Systems Card file P85 or the Right Systems Cardfile P84, if necessary.

Do these tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801

- (a) If the fault continues after the Left and the Right Cardfile interchange, replace the applicable Lin/Mon Card.

- (2) Replace the Power Supply Unit (PSU) Preregulator circuit card, A19, in in Left Systems Cardfile P85 or the Right Systems Cardfile P84, as applicable.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (3) Replace the A3 and A18 Linear Monitor (Lin/Mon) cards in the Right Systems Card file P85.

Do these tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (4) Replace the A3 and A18 Linear Monitor (Lin/Mon) cards in the Left Systems Cardfile P84.

Do these tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801

Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (5) Do this check for 28V DC at the circuit breaker of the power supply unit (PSU) preregulator-1 card, A2, in the Left Systems Cardfile P85 or the Right Systems Cardfile P84, as applicable.

- (a) Make sure that these circuit breakers are closed:

#### Right Power Management Panel, P210

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| L          | 14         | C31641        | RSCF PS 2   |

#### Standby Power Management Panel, P310

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| C          | 6          | C31637        | LSCF PS 2   |

- (b) Do a check for 28V DC between terminal 2 for the applicable circuit breaker and structure ground. (SSM 31-09-11, 31-09-21)

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- (c) If there is no 28V DC at terminal 2 for the applicable circuit breaker, then do these steps:
- 1) Replace the applicable circuit breaker.
  - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 3) If the MAT shows ACTIVE for the maintenance message, then continue.
- (d) If there is 28V DC at terminal 2 for the applicable circuit breaker, then continue.
- (6) Do this check of the wiring for the power supply unit (PSU) preregulator-2 card, A19, in the Left Systems Cardfile P85 as applicable.

- (a) Open this circuit breaker and install safety tag:

**Standby Power Management Panel, P310**

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| C          | 6          | C31637        | LSCF PS 2   |

- (b) Remove the power supply unit (PSU) preregulator-2 card, A19, in the Left Systems Cardfile P85, do this task: Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.
- (c) Do a wiring check between these pins of the PSU connector, DP8518 and the terminal 2 of circuit breaker C31637: (SSM 31-09-11, 31-09-21)

| <b>DP8518</b>   | <b>C31637</b> |
|-----------------|---------------|
| pin 1 . . . . . | pin 2         |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the power supply unit (PSU) preregulator-2 card, A19, in the Left Systems Cardfile P85, do this task: Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.
  - 3) Close this circuit breaker:

**Standby Power Management Panel, P310**

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| C          | 6          | C31637        | LSCF PS 2   |

- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-install the power supply unit (PSU) preregulator-2 card, A19, in the Left Systems Cardfile P85, do this task: Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.
  - 2) Close this circuit breaker:

**Standby Power Management Panel, P310**

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| C          | 6          | C31637        | LSCF PS 2   |

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- (7) Do this check of the wiring for the power supply unit (PSU) preregulator-2 card, A19, in the Right Systems Cardfile P84 as applicable.

- (a) Open this circuit breaker and install safety tag:

**Right Power Management Panel, P210**

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| L          | 14         | C31641        | RSCF PS 2   |

- (b) Remove the power supply unit (PSU) preregulator-2 card, A19, in the Right Systems Cardfile P84, do this task: Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.
- (c) Do a wiring check between these pins of the PSU connector, DP8418 and the terminal 2 of circuit breaker C31641: (SSM 31-09-11, 31-09-21)

| <b>DP8418</b>   | <b>C31641</b> |
|-----------------|---------------|
| pin 1 . . . . . | pin 2         |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the power supply unit (PSU) preregulator-2 card, A19, in the Right Systems Cardfile P84, do this task: Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.
  - 3) Close this circuit breaker:

**Right Power Management Panel, P210**

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| L          | 14         | C31641        | RSCF PS 2   |

- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**830. LSCF ASG-L No Input from AIMS-L on Systems 629 Bus-L - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17413.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M009) module in the left AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31101, in the P111 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the left ASG card to the Systems 629 Bus-L.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31112, in the P111 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the left AIMS cabinet to the Systems 629 Bus-L.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:
- (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31101 from the coupler B31101.
- (c) Do a wiring check between these pins of connector XA12 at the P85A12 shelf and connector DB31101 at the P111 panel (SSM 31-09-12):
- | <b>XA12</b>  | <b>DB31101</b> |
|--------------|----------------|
| pin 10 ..... | pin 5          |
| pin 7 .....  | pin 4          |
| pin 9 .....  | pin 2          |
| pin 6 .....  | pin 1          |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-connect connector DB31101.
  - 3) Re-install the left ASG card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (6) Do this check of the wiring from the AIMS-L cabinet to the coupler:
- (a) Remove the IOM(M009) module from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - (b) Disconnect connector DB31112 from the coupler B31112.
  - (c) Do a wiring check between these pins of connector J420-B at the left AIMS cabinet and connector DB31112 at the P111 panel (WDM 31-41-25):
- | J420-B       | DB31112 |
|--------------|---------|
| pin G3 ..... | pin 5   |
| pin G4 ..... | pin 4   |
| pin G1 ..... | pin 2   |
| pin G2 ..... | pin 1   |
- (d) If you find a problem with the wiring, then do these steps:
    - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
    - 2) Re-connect connector DB31112.
    - 3) Re-install the IOM(M009) module in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If you do not find a problem with the wiring, then continue.
  - (f) Re-connect connector DB31112.
  - (g) Re-install the IOM(M009) module in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
  - (h) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 831. RSCF ASG-L No Input from AIMS-L on Systems 629 Bus-L - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17414.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

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## 31-09 TASKS 830-831

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M009) module in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31201, in the P111 panel.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.  
NOTE: This coupler connects the left ASG card to the Systems 629 Bus-L.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31112, in the P111 panel.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.  
NOTE: This coupler connects the left AIMS cabinet to the Systems 629 Bus-L.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:
  - (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31201 from the coupler B31201.
  - (c) Do a wiring check between these pins of connector XA12 at the P84A12 shelf and connector DB31101 at the P111 panel (SSM 31-09-12):

| XA12   | DB31201 |
|--------|---------|
| pin 10 | pin 5   |
| pin 7  | pin 4   |
| pin 9  | pin 2   |
| pin 6  | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-connect connector DB31201.

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- 3) Re-install the left ASG card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (6) Do this check of the wiring from the AIMS-L cabinet to the coupler:
  - (a) Remove the IOM(M009) module from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31112 from the coupler B31112.
  - (c) Do a wiring check between these pins of connector J420-B at the left AIMS cabinet and connector DB31112 at the P111 panel (WDM 31-41-25):

| J420-B | DB31112 |
|--------|---------|
| pin G3 | pin 5   |
| pin G4 | pin 4   |
| pin G1 | pin 2   |
| pin G2 | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31112.
  - 3) Re-install the IOM(M009) module in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB31112.
- (g) Re-install the IOM(M009) module in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
- (h) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 832. LSCF ASG-L No Input from AIMS-R on Systems 629 Bus-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17417.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

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ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M009) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left ASG card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31116, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the right AIMS cabinet to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:
- (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31101 from the coupler B31101.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A12 shelf and connector DB31101 at the P111 panel (SSM 31-09-12):

| <b>XA12</b> |       | <b>DB31101</b> |
|-------------|-------|----------------|
| pin 10      | ..... | pin 5          |
| pin 7       | ..... | pin 4          |
| pin 9       | ..... | pin 2          |
| pin 6       | ..... | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-connect connector DB31101.

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- 3) Re-install the left ASG card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (6) Do this check of the wiring from the AIMS-R cabinet to the coupler:
  - (a) Remove the IOM(M009) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - (b) Disconnect connector DB31116 from the coupler B31116.
  - (c) Do a wiring check between these pins of connector J420-B at the left AIMS cabinet and connector DB31116 at the P111 panel (WDM 31-41-25):

| <b>J420-B</b> |       | <b>DB31116</b> |
|---------------|-------|----------------|
| pin G3        | ..... | pin 5          |
| pin G4        | ..... | pin 4          |
| pin G1        | ..... | pin 2          |
| pin G2        | ..... | pin 1          |
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
    - 2) Re-connect connector DB31116.
    - 3) Re-install the IOM(M009) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If you do not find a problem with the wiring, then continue.
  - (f) Re-connect connector DB31116.
  - (g) Re-install the IOM(M009) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
  - (h) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 833. RSCF ASG-L No Input from AIMS-R on Systems 629 Bus-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17418.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

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ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M009) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left ASG card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31116, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the right AIMS cabinet to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:
- (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31201 from the coupler B31201.
  - (c) Do a wiring check between these pins of connector XA12 at the P84A12 shelf and connector DB31201 at the P111 panel (SSM 31-09-12):

| <b>XA12</b>      | <b>DB31201</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-connect connector DB31201.

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- 3) Re-install the left ASG card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (6) Do this check of the wiring from the AIMS-R cabinet to the coupler:
  - (a) Remove the IOM(M009) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31116 from the coupler B31116.
  - (c) Do a wiring check between these pins of connector J420-B at the left AIMS cabinet and connector DB31116 at the P111 panel (WDM 31-41-25):

| <b>J420-B</b>    | <b>DB31116</b> |
|------------------|----------------|
| pin G3 . . . . . | pin 5          |
| pin G4 . . . . . | pin 4          |
| pin G1 . . . . . | pin 2          |
| pin G2 . . . . . | pin 1          |
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
    - 2) Re-connect connector DB31116.
    - 3) Re-install the IOM(M009) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If you do not find a problem with the wiring, then continue.
  - (f) Re-connect connector DB31116.
  - (g) Re-install the IOM(M009) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
  - (h) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 834. RSCF ASG-L No Input from ASCPC-L on Systems 629 Bus-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17430.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

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ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Air Supply Cabin Pressure Controller (ASCPC), M36111.

These are the tasks:

ASCPC Removal, AMM TASK 36-11-20-000-801,

ASCPC Installation, AMM TASK 36-11-20-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left ASG card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B36233, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left ASCPC to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:
- (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31201 from the coupler B31201.
  - (c) Do a wiring check between these pins of connector XA12 at the P84A12 shelf and connector DB31201 at the P111 panel (SSM 31-09-12):

| <b>XA12</b>      | <b>DB31201</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-connect connector DB31201.

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- 3) Re-install the left ASG card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (6) Do this check of the wiring from the left ASCPC to the coupler:
  - (a) Disconnect connector DM36111 from the left ASCPC, M36111.
  - (b) Disconnect connector DB36233 from the coupler B36233.
  - (c) Do a wiring check between these pins of connector DM36111 at the left ASCPC and connector DB36223 at the P111 panel (WDM 36-21-11):

| <b>DM36111</b>    | <b>DB36223</b> |
|-------------------|----------------|
| pin 2T . . . . .  | pin 5          |
| pin 2TR . . . . . | pin 4          |
| pin 1T . . . . .  | pin 2          |
| pin 1TR . . . . . | pin 1          |
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DM36111 and DB36223.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connectors DM36111 and DB31116.
- (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 835. LSCF ASG-L No Input from RSCF ASG-L on Systems 629 Bus-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17437.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left ARINC Signal Gateway (ASG) card, A12, in the left systems cardfile (LSCF), P85.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (2) Replace the left ARINC Signal Gateway (ASG) card, A12, in the right systems cardfile (RSCF), P84.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left ASG card in the LSCF to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left ASG card in the RSCF to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the LSCF wiring from the ASG-L to the coupler:
- (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31101 from the coupler B31101.
- (c) Do a wiring check between these pins of connector XA12 at the P85A12 shelf and connector DB31101 at the P111 panel (SSM 31-09-12):

| <b>XA12</b> |       | <b>DB31101</b> |
|-------------|-------|----------------|
| pin 10      | ..... | pin 5          |
| pin 7       | ..... | pin 4          |
| pin 9       | ..... | pin 2          |
| pin 6       | ..... | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-connect connector DB31101.
  - 3) Re-install the left ASG card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (6) Do this check of the RSCF wiring from the ASG-L to the coupler:
  - (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31201 from the coupler B31201.
  - (c) Do a wiring check between these pins of connector XA12 at the P84A12 shelf and connector DB31201 at the P111 panel (SSM 31-09-12):

| XA12   | DB31201 |
|--------|---------|
| pin 10 | pin 5   |
| pin 7  | pin 4   |
| pin 9  | pin 2   |
| pin 6  | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-connect connector DB31201.
  - 3) Re-install the left ASG card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 836. RSCF ASG-L No Input from LSCF ASG-L on Systems 629 Bus-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17438.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, A12, in the right systems cardfile (RSCF), P84.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left ARINC Signal Gateway (ASG) card, A12, in the left systems cardfile (LSCF), P85.

These are the tasks:

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ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left ASG card in the RSCF to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left ASG card in the LSCF to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the RSCF wiring from the ASG-L to the coupler:
- (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31201 from the coupler B31201.
  - (c) Do a wiring check between these pins of connector XA12 at the P84A12 shelf and connector DB31201 at the P111 panel (SSM 31-09-12):

| <b>XA12</b>  | <b>DB31201</b> |
|--------------|----------------|
| pin 10 ..... | pin 5          |
| pin 7 .....  | pin 4          |
| pin 9 .....  | pin 2          |
| pin 6 .....  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-connect connector DB31201.
    - 3) Re-install the left ASG card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (6) Do this check of the LSCF wiring from the ASG-L to the coupler:

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- (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31101 from the coupler B31101.
- (c) Do a wiring check between these pins of connector XA12 at the P85A12 shelf and connector DB31101 at the P111 panel (SSM 31-09-12):

| <b>XA12</b>      | <b>DB31101</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-connect connector DB31101.
  - 3) Re-install the left ASG card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

**837. EICAS Message with No Correlated Maintenance Message (LSCF Linear/Monitor Card A3 Problem)- Fault Isolation**

**A. Fault Isolation Procedure**

- (1) Make sure that the A3 power switches on the Left Systems Cardfile are in the ON position.
  - (a) If the EICAS message does not show, then you corrected the fault.
  - (b) If the EICAS message continues to show, then continue.
- (2) Replace the Linear/Monitor power supply circuit card, A3, in the Left Systems Cardfile, P85.  
These are the tasks:  
Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,  
Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.
  - (a) If the EICAS message does not show, then you corrected the fault.

———— **END OF TASK** ————

**838. EICAS Message with No Correlated Maintenance Message (LSCF Linear/Monitor Card A18 Problem)- Fault Isolation**

**A. Fault Isolation Procedure**

- (1) Make sure that the A18 power switches on the Left Systems Cardfile are in the ON position.
  - (a) If the EICAS message does not show, then you corrected the fault.
  - (b) If the EICAS message continues to show, then continue.
- (2) Replace the Linear/Monitor power supply circuit card, A18, in the Left Systems Cardfile, P85.  
These are the tasks:  
Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,

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Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

- (a) If the EICAS message does not show, then you corrected the fault.

————— **END OF TASK** —————

**839. EICAS Message with No Correlated Maintenance Message (LSCF Linear/Monitor Card A3/A18 Problem)- Fault Isolation**

**A. Fault Isolation Procedure**

- (1) Make sure that the A3 and A18 power switches on the Left Systems Cardfile are in the ON position.
  - (a) If the EICAS message does not show, then you corrected the fault.
  - (b) If the EICAS message continues to show, then continue.
- (2) Replace the Linear/Monitor power supply circuit card, A3, in the Left Systems Cardfile, P85.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,  
Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

  - (a) If the EICAS message does not show, then you corrected the fault.
  - (b) If the EICAS message continues to show, then continue.
- (3) Replace the Linear/Monitor power supply circuit card, A18, in the Left Systems Cardfile, P85.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,  
Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

  - (a) If the EICAS message does not show, then you corrected the fault.

————— **END OF TASK** —————

**840. EICAS Message with No Correlated Maintenance Message (RSCF Linear/Monitor Card A3 Problem)- Fault Isolation**

**A. Fault Isolation Procedure**

- (1) Make sure that the A3 power switches on the Right Systems Cardfile are in the ON position.
  - (a) If the EICAS message does not show, then you corrected the fault.
  - (b) If the EICAS message continues to show, then continue.
- (2) Replace the Linear/Monitor power supply circuit card, A3, in the Right Systems Cardfile, P84.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,  
Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

  - (a) If the EICAS message does not show, then you corrected the fault.

————— **END OF TASK** —————

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**841. EICAS Message with No Correlated Maintenance Message (RSCF Linear/Monitor Card A18 Problem)- Fault Isolation**

**A. Fault Isolation Procedure**

- (1) Make sure that the A18 power switches on the Right Systems Cardfile are in the ON position.
  - (a) If the EICAS message does not show, then you corrected the fault.
  - (b) If the EICAS message continues to show, then continue.
- (2) Replace the Linear/Monitor power supply circuit card, A18, in the Right Systems Cardfile, P84.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,  
Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

  - (a) If the EICAS message does not show, then you corrected the fault.

————— **END OF TASK** —————

**842. EICAS Message with No Correlated Maintenance Message (RSCF Linear/Monitor Card A3/A18 Problem)- Fault Isolation**

**A. Fault Isolation Procedure**

- (1) Make sure that the A3 and A18 power switches on the Right Systems Cardfile are in the ON position.
  - (a) If the EICAS message does not show, then you corrected the fault.
  - (b) If the EICAS message continues to show, then continue.
- (2) Replace the Linear/Monitor power supply circuit card, A3, in the Right Systems Cardfile, P84.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,  
Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

  - (a) If the EICAS message does not show, then you corrected the fault.
  - (b) If the EICAS message continues to show, then continue.
- (3) Replace the Linear/Monitor power supply circuit card, A18, in the Right Systems Cardfile, P84.

These are the tasks:

Card File Power Supply (CFPS) Removal, AMM TASK 31-09-01-000-801,  
Card File Power Supply (CFPS) Installation, AMM TASK 31-09-01-400-801.

  - (a) If the EICAS message does not show, then you corrected the fault.

————— **END OF TASK** —————

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### 801. RSCF ASG-L No Input from VSCF on Systems 629 Bus-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17442.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Backup Generator Converter (VSCF), M24008.

These are the tasks:

Backup Generator Converter Removal, AMM TASK 24-25-09-000-801,

Backup Generator Converter Installation, AMM TASK 24-25-09-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the left ASG card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24102, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the VSCF to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:

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- (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31201 from the coupler B31201.
- (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector DB31201 at the P111 panel (SSM 31-09-12):

| <b>XA12</b>      | <b>DB31201</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31201.
  - 3) Re-install the left ASG card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB31201.
- (g) Re-install the left ASG card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the VSCF to the coupler:
  - (a) Disconnect connector DM24008 from the VSCF, M24008.
  - (b) Disconnect connector DB24102 from the coupler B24102.
  - (c) Do a wiring check between these pins of connector DM24008 at the VSCF and connector DB24102 at the P111 panel (WDM 24-25-33):

| <b>DM24008</b>  | <b>DB24102</b> |
|-----------------|----------------|
| pin 5 . . . . . | pin 5          |
| pin 4 . . . . . | pin 4          |
| pin 2 . . . . . | pin 2          |
| pin 1 . . . . . | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DM24008 and DB24102.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, re-connect connectors DM24008 and DB24102.

————— **END OF TASK** —————

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### 802. LSCF ASG-L No Input from BPCU on Systems 629 Bus-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17445.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Bus Power Control Unit (BPCU), M24002.

These are the tasks:

BPCU Removal, AMM TASK 24-41-05-000-801,

BPCU Installation, AMM TASK 24-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the left ASG card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24106, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the BPCU to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:

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- (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31101 from the coupler B31101.
- (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector DB31101 at the P111 panel (SSM 31-09-12):

| <b>XA12</b>      | <b>DB31101</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31101.
  - 3) Re-install the left ASG card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB31101.
- (g) Re-install the left ASG card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the BPCU to the coupler:
  - (a) Disconnect connector DM24002 from the BPCU, M24002.
  - (b) Disconnect connector DB24106 from the coupler B24106.
  - (c) Do a wiring check between these pins of connector DM24002AC at the BPCU and connector DB24106 at the P111 panel (WDM 24-28-41):

| <b>DM24002AC</b>  | <b>DB24106</b> |
|-------------------|----------------|
| pin 6T . . . . .  | pin 5          |
| pin 6TR . . . . . | pin 4          |
| pin 3T . . . . .  | pin 2          |
| pin 3TR . . . . . | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DM24002 and DB24106.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, re-connect connectors DM24008 and DB24102.

————— **END OF TASK** —————

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### 803. RSCF ASG-L No Input from BPCU on Systems 629 Bus-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17446.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Bus Power Control Unit (BPCU), M24002.

These are the tasks:

BPCU Removal, AMM TASK 24-41-05-000-801,

BPCU Installation, AMM TASK 24-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the left ASG card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24106, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the BPCU to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the ARINC 629 coupler, B24106, in the P111 panel.

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These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the BPCU to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this check of the wiring from the ASG-L to the coupler:
  - (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31201 from the coupler B31201.
  - (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector DB31201 at the P111 panel (SSM 31-09-22):

| <b>XA12</b>      | <b>DB31201</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31201.
  - 3) Re-install the left ASG card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB31201.
- (g) Re-install the left ASG card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (7) Do this check of the wiring from the BPCU to the coupler:
  - (a) Disconnect connector DM24002 from the BPCU, M24002.
  - (b) Disconnect connector DB24106 from the coupler B24106.
  - (c) Do a wiring check between these pins of connector DM24002AC at the BPCU and connector DB24106 at the P111 panel (WDM 24-28-41):

| <b>DM24002AC</b>  | <b>DB24106</b> |
|-------------------|----------------|
| pin 6T . . . . .  | pin 5          |
| pin 6TR . . . . . | pin 4          |
| pin 3T . . . . .  | pin 2          |
| pin 3TR . . . . . | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).

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- 2) Re-connect connectors DM24002 and DB24106.
- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, re-connect connectors DM24002 and DB24106.

————— END OF TASK —————

### 804. LSCF ASG-L No Input from CTC-L on Systems 629 Bus-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17449.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Cabin Temperature Controller (CTC), M21631.

These are the tasks:

Cabin Temperature Controller (CTC) Removal, AMM TASK 21-61-01-000-801,

Cabin Temperature Controller (CTC) Installation, AMM TASK 21-61-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left ASG card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B21631, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left CTC to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:
  - (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31101 from the coupler B31101.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector DB31101 at the P111 panel (SSM 31-09-12):

| <b>XA12</b> | <b>DB31101</b> |
|-------------|----------------|
| pin 10      | pin 5          |
| pin 7       | pin 4          |
| pin 9       | pin 2          |
| pin 6       | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31101.
  - 3) Re-install the left ASG card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB31101.
- (g) Re-install the left ASG card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the left CTC to the coupler:
  - (a) Disconnect connector DM21631 from the left CTC, M21631.
  - (b) Disconnect connector DB21631 from the coupler B21631.
  - (c) Do a wiring check between these pins of connector DM21631AD at the left CTC and connector DB21631 at the P111 panel (WDM 21-61-11):

| <b>DM21631AD</b> | <b>DB21631</b> |
|------------------|----------------|
| pin 1T           | pin 5          |
| pin 1TR          | pin 4          |
| pin 2T           | pin 2          |
| pin 2TR          | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DM21631 and DB21631.

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- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, re-connect connectors DM21631 and DB21631.

————— **END OF TASK** —————

### 805. RSCF ASG-L No Input from CTC-L on Systems 629 Bus-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17450.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Cabin Temperature Controller (CTC), M21631.

These are the tasks:

Cabin Temperature Controller (CTC) Removal, AMM TASK 21-61-01-000-801,

Cabin Temperature Controller (CTC) Installation, AMM TASK 21-61-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left CTC to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:
  - (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31201 from the coupler B31201.
  - (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector DB31201 at the P111 panel (SSM 31-09-22):

| <b>XA12</b> | <b>DB31201</b> |
|-------------|----------------|
| pin 10      | pin 5          |
| pin 7       | pin 4          |
| pin 9       | pin 2          |
| pin 6       | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31201.
  - 3) Re-install the left ASG card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB31201.
- (g) Re-install the left ASG card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the left CTC to the coupler:
  - (a) Disconnect connector DM21631 from the left CTC, M21631.
  - (b) Disconnect connector DB21631 from the coupler B21631.
  - (c) Do a wiring check between these pins of connector DM21631AD at the left CTC and connector DB21631 at the P111 panel (WDM 21-61-11):

| <b>DM21631AD</b> | <b>DB21631</b> |
|------------------|----------------|
| pin 1T           | pin 5          |
| pin 1TR          | pin 4          |
| pin 2T           | pin 2          |
| pin 2TR          | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DM21631 and DB21631.

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- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, re-connect connectors DM21631 and DB21631.

————— **END OF TASK** —————

### 806. LSCF ASG-L No Input from CTC-R on Systems 629 Bus-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17453.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right Cabin Temperature Controller (CTC), M21632.

These are the tasks:

Cabin Temperature Controller (CTC) Removal, AMM TASK 21-61-01-000-801,

Cabin Temperature Controller (CTC) Installation, AMM TASK 21-61-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the right CTC to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:
  - (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31101 from the coupler B31101.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector DB31101 at the P111 panel (WDM 21-61-12):

| <b>XA12</b> | <b>DB31101</b> |
|-------------|----------------|
| pin 10      | pin 5          |
| pin 7       | pin 4          |
| pin 9       | pin 2          |
| pin 6       | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31101.
  - 3) Re-install the left ASG card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB31101.
- (g) Re-install the left ASG card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the right CTC to the coupler:
  - (a) Disconnect connector DM21632 from the right CTC, M21632.
  - (b) Disconnect connector DB21633 from the coupler B21633.
  - (c) Do a wiring check between these pins of connector DM21632AA at the right CTC and connector DB21633 at the P111 panel (WDM 21-61-12):

| <b>DM21632AA</b> | <b>DB21633</b> |
|------------------|----------------|
| pin 2T           | pin 5          |
| pin 2TR          | pin 4          |
| pin 1T           | pin 2          |
| pin 1TR          | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DM21632 and DB21633.

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- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, re-connect connectors DM21632 and DB21633.

————— **END OF TASK** —————

### 807. RSCF ASG-L No Input from CTC-R on Systems 629 Bus-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17454.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right Cabin Temperature Controller (CTC), M21632.

These are the tasks:

Cabin Temperature Controller (CTC) Removal, AMM TASK 21-61-01-000-801,

Cabin Temperature Controller (CTC) Installation, AMM TASK 21-61-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the right CTC to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:
  - (a) Remove the left ASG card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31201 from the coupler B31201.
  - (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector DB31201 at the P111 panel (SSM 31-09-22):

| <b>XA12</b> | <b>DB31201</b> |
|-------------|----------------|
| pin 10      | pin 5          |
| pin 7       | pin 4          |
| pin 9       | pin 2          |
| pin 6       | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31201.
  - 3) Re-install the left ASG card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB31201.
- (g) Re-install the left ASG card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the right CTC to the coupler:
  - (a) Disconnect connector DM21632 from the right CTC, M21632.
  - (b) Disconnect connector DB21633 from the coupler B21633.
  - (c) Do a wiring check between these pins of connector DM21632AA at the right CTC and connector DB21633 at the P111 panel (WDM 21-61-12):

| <b>DM21632AA</b> | <b>DB21633</b> |
|------------------|----------------|
| pin 2T           | pin 5          |
| pin 2TR          | pin 4          |
| pin 1T           | pin 2          |
| pin 1TR          | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DM21632 and DB21633.

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- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, re-connect connectors DM21632 and DB21633.

————— END OF TASK —————

### 814. LSCF ASG-R No Input from RSCF ASG-R on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17639.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15, in the left systems cardfile (LSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right ARINC Signal Gateway (ASG) card, P84A15, in the right systems cardfile (RSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R card in the LSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R card in the RSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the LSCF wiring from the ASG-R to the coupler:
  - (a) Remove the ASG-R card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31102 from the coupler B31102.
  - (c) Do a wiring check between these pins of connector XA15 at the P85A15 slot and connector DB31102 at the P211 panel (SSM 31-09-12):

| <b>XA15</b>      | <b>DB31102</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31102.
  - 3) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31102.
  - 2) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the RSCF wiring from the ASG-R to the coupler:
  - (a) Remove the ASG-R card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31202 from the coupler B31202.
  - (c) Do a wiring check between these pins of connector XA15 at the P84A15 slot and connector DB31202 at the P211 panel (SSM 31-09-22):

| <b>XA15</b>      | <b>DB31202</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31202.

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- 3) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 815. RSCF ASG-R No Input from LSCF ASG-R on Systems 629 Bus-R - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17640.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15, in the right systems cardfile (RSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right ARINC Signal Gateway (ASG) card, P85A15, in the left systems cardfile (LSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R card in the RSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R card in the LSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the RSCF wiring from the ASG-R to the coupler:
  - (a) Remove the ASG-R card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31202 from the coupler B31202.
  - (c) Do a wiring check between these pins of connector XA15 at the P84A15 slot and connector DB31202 at the P211 panel (SSM 31-09-22):

| <b>XA15</b>      | <b>DB31202</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31202.
  - 3) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31202.
  - 2) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the LSCF wiring from the ASG-R to the coupler:
  - (a) Remove the ASG-R card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31102 from the coupler B31102.
  - (c) Do a wiring check between these pins of connector XA15 at the P85A15 slot and connector DB31102 at the P211 panel (SSM 31-09-12):

| <b>XA15</b>      | <b>DB31102</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31102.

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- 3) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 822. LSCF ASG-L No Input from FSEU 1 on Systems 629 Bus-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17469.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Flap Slat Electronics Unit 1 (FSEU 1), B27001.

These are the tasks:

Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801,

Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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**NOTE:** This coupler connects the FSEU 1 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the LSCF wiring from the ASG-L to the coupler:
  - (a) Remove the ASG-L card, P85A12 in the LSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31101 from the coupler B31101.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector DB31101 at the P111 panel (SSM 31-09-12):

| <b>XA12</b> | <b>DB31101</b> |
|-------------|----------------|
| pin 10      | pin 5          |
| pin 7       | pin 4          |
| pin 9       | pin 2          |
| pin 6       | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31101.
  - 3) Re-install the ASG-L card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB31101.
- (g) Re-install the ASG-L card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the FSEU 1 to the coupler:
  - (a) Remove the FSEU 1, M27001. To remove it, do this task: Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801.
  - (b) Disconnect connector DB27101 from the coupler B27101.
  - (c) Do a wiring check between these pins of connector DM27001AB at the E1-6 shelf and connector DB27101 at the P111 panel (WDM 27-51-11):

| <b>DM27001AB</b> | <b>DB27101</b> |
|------------------|----------------|
| pin 2T           | pin 2          |
| pin 2TR          | pin 1          |
| pin 5T           | pin 5          |
| pin 5TR          | pin 4          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB27101.

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- 3) Re-install the FSEU 1, M27001. To install it, do this task: Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

**823. RSCF ASG-L No Input from FSEU 1 Monitor Channel on Systems 629 Bus-L - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17470.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Flap Slat Electronics Unit 1 (FSEU 1), B27001.

These are the tasks:

Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801,

Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the FSEU 1 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:
  - (a) Remove the ASG-L card P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31201 from the coupler B31201.
  - (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector DB31201 at the P111 panel (SSM 31-09-22):

| <b>XA12</b> | <b>DB31201</b> |
|-------------|----------------|
| pin 10      | pin 5          |
| pin 7       | pin 4          |
| pin 9       | pin 2          |
| pin 6       | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31201.
  - 3) Re-install the ASG-L card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB31201.
- (g) Re-install the ASG-L card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the FSEU 1 to the coupler:
  - (a) Remove the FSEU 1, M27001. To remove it, do this task: Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801.
  - (b) Disconnect connector DB27101 from the coupler B27101.
  - (c) Do a wiring check between these pins of connector DM27001AB at the E1-6 shelf and connector DB27101 at the P111 panel (WDM 27-51-11):

| <b>DM27001AB</b> | <b>DB27101</b> |
|------------------|----------------|
| pin 2T           | pin 2          |
| pin 2TR          | pin 1          |
| pin 5T           | pin 5          |
| pin 5TR          | pin 4          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB27101.

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- 3) Re-install the FSEU 1, M27001. To install it, do this task: Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 824. LSCF ASG-L No Input from OPBC-L on Systems 629 Bus-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17477.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Overhead Panel Bus Controller (OPBC), M23112.

These are the tasks:

Left Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-801,

Left Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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**NOTE:** This coupler connects the left OPBC to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:
  - (a) Remove the ASG-L card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31101 from the coupler B31101.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector DB31101 at the P111 panel (SSM 31-09-12):

| <b>XA12</b>      | <b>DB31101</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31101.
  - 3) Re-install the ASG-L card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB31101.
- (g) Re-install the ASG-L card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the OPBC-L to the coupler:
  - (a) Remove the OPBC-L, M23112. To remove it, do this task: Right Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-802.
  - (b) Disconnect connector DB23126 from the coupler B23126.
  - (c) Do a wiring check between these pins of connector DM23112B at STA 216, WL 220, RBL 65 and connector DB23126 at the P111 panel (WDM 23-93-11):

| <b>DM23112B</b> | <b>DB23126</b> |
|-----------------|----------------|
| pin 5 . . . . . | pin 5          |
| pin 4 . . . . . | pin 4          |
| pin 2 . . . . . | pin 2          |
| pin 1 . . . . . | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB23126.

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- 3) Re-install the OPBC-L, M23212. To install it, do this task: Right Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-802.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 825. RSCF ASG-L No Input from OPBC-L on Systems 629 Bus-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17478.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12, in the right systems cardfile (RSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left overhead panel bus controller (OPBC), M23112.

These are the tasks:

Left Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-801,

Left Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-L card in the RSCF to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B23126, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the OPBC-L to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the RSCF wiring from the ASG-L to the coupler:
  - (a) Remove the ASG-L card, P84A12 in the RSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31201 from the coupler B31201.
  - (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector DB31201 at the P111 panel (SSM 31-09-22):

| <b>XA12</b>      | <b>DB31201</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31201.
  - 3) Re-install the ASG-L card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31201.
  - 2) Re-install the ASG-L card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the OPBC-L to the coupler:
  - (a) Remove the OPBC-L, M23112. To remove it, do this task: Left Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-801.
  - (b) Disconnect connector DB23126 from the coupler B23126.
  - (c) Do a wiring check between these pins of connector DM23112B at STA 216, WL 220, LBL 65 and connector DB23126 at the P111 panel (WDM 23-93-11):

| <b>DM23112B</b> | <b>DB23126</b> |
|-----------------|----------------|
| pin 5 . . . . . | pin 5          |
| pin 4 . . . . . | pin 4          |
| pin 2 . . . . . | pin 2          |
| pin 1 . . . . . | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB23126.

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- 3) Re-install the OPBC-L, M23112. To install it, do this task: Left Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then do these steps:
  - 1) Re-connect connector DB23126.
  - 2) Re-install the OPBC-L, M23112. To install it, do this task: Left Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-801.

### ————— END OF TASK —————

#### 826. LSCF ASG-L No Input from OPBC-R on Systems 629 Bus-L - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17481.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12, in the left systems cardfile (LSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right overhead panel bus controller (OPBC), M23212.

These are the tasks:

Right Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-802,

Right Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-L card in the LSCF to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (4) Replace the ARINC 629 coupler, B23127, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the OPBC-R to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the LSCF wiring from the ASG-L to the coupler:
- (a) Remove the ASG-L card, P85A12 in the LSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31101 from the coupler B31101.
- (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector DB31101 at the P111 panel (SSM 31-09-12):

| <b>XA12</b>  | <b>DB31101</b> |
|--------------|----------------|
| pin 10 ..... | pin 5          |
| pin 7 .....  | pin 4          |
| pin 9 .....  | pin 2          |
| pin 6 .....  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31101.
  - 3) Re-install the ASG-L card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DB31101.
  - 2) Re-install the ASG-L card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the OPBC-R to the coupler:
- (a) Remove the OPBC-R, M23212. To remove it, do this task: Right Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-802.
- (b) Disconnect connector DB23127 from the coupler B23127.
- (c) Do a wiring check between these pins of connector DM23212B at STA 237, WL 218, RBL 65 and connector DB23127 at the P111 panel (WDM 23-93-21):

| <b>DM23212B</b> | <b>DB23127</b> |
|-----------------|----------------|
| pin 5 .....     | pin 5          |
| pin 4 .....     | pin 4          |
| pin 2 .....     | pin 2          |
| pin 1 .....     | pin 1          |

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- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB23127.
  - 3) Re-install the OPBC-R, M23212. To install it, do this task: Right Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then do these steps:
  - 1) Re-connect connector DB23127.
  - 2) Re-install the OPBC-R, M23212. To install it, do this task: Right Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-802.

### END OF TASK

#### 827. RSCF ASG-L No Input from OPBC-R on Systems 629 Bus-L - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17482.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12, in the right systems cardfile (RSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right overhead panel bus controller (OPBC), M23212.

These are the tasks:

Right Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-802,  
Right Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-802.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the ASG-L card in the RSCF to the Systems 629 Bus-L.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B23127, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the OPBC-R to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the RSCF wiring from the ASG-L to the coupler:
  - (a) Remove the ASG-L card, P84A12 in the RSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31201 from the coupler B31201.
  - (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector DB31201 at the P111 panel (SSM 31-09-22):

| <b>XA12</b>      | <b>DB31201</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31201.
  - 3) Re-install the ASG-L card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31201.
  - 2) Re-install the ASG-L card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the OPBC-R to the coupler:
  - (a) Remove the OPBC-R, M23212. To remove it, do this task: Right Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-802.
  - (b) Disconnect connector DB23127 from the coupler B23127.
  - (c) Do a wiring check between these pins of connector DM23212B at STA 237, WL 218, RBL 65 and connector DB23127 at the P111 panel (WDM 23-93-21):

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### DM23212B

pin 5 ..... pin 5  
pin 4 ..... pin 4  
pin 2 ..... pin 2  
pin 1 ..... pin 1

### DB23127

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB23127.
  - 3) Re-install the OPBC-R, M23212. To install it, do this task: Right Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then do these steps:
- 1) Re-connect connector DB23127.
  - 2) Re-install the OPBC-R, M23212. To install it, do this task: Right Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-802.

### — END OF TASK —

## 828. LSCF ASG-L No Input from PSEU 1 on Systems 629 Bus-L - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17485.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.
- These are the tasks:
- ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Circuit Card Assembly (CCA), Communication, A2 in the Proximity Sensor Electronic Unit (PSEU) 1, M32021.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,  
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31101, in the P111 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the left ASG card to the Systems 629 Bus-L.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B32115, in the P111 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects PSEU 1 to the Systems 629 Bus-L.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (5) Do this check of the LSCF wiring from the ASG-L to the coupler:
- (a) Remove the ASG-L card, P85A12 in the LSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31101 from the coupler B31101.
- (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector DB31101 at the P111 panel (SSM 31-09-12):
- | <b>XA12</b>      | <b>DB31101</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31101.
  - 3) Re-install the ASG-L card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DB31101.
  - 2) Re-install the ASG-L card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the PSEU-1 to the coupler:
- (a) Remove the PSEU-1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.

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- (b) Disconnect connector DB32215 from the coupler B32215.
- (c) Do a wiring check between these pins of connector DM32021AD at the E1-5 shelf and connector DB32115 at the P111 panel (WDM 32-08-11):

| DM32021AD     | DB32115 |
|---------------|---------|
| pin 2T .....  | pin 5   |
| pin 2TR ..... | pin 4   |
| pin 1T .....  | pin 2   |
| pin 1TR ..... | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB32115.
  - 3) Re-install the PSEU-1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB32115.
- (g) Re-install the PSEU-1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

————— **END OF TASK** —————

### 829. **RSCF ASG-L No Input from PSEU-1 on Systems 629 Bus-L - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17486.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12, in the right systems cardfile (RSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Communication, A02 in the proximity sensor electronics unit PSEU-1, M32021.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

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PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-L card in the RSCF to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B32115, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the PSEU-1 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the RSCF wiring from the ASG-L to the coupler:
- (a) Remove the ASG-L card, P84A12 in the RSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31201 from the coupler B31201.
  - (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector DB31201 at the P111 panel (SSM 31-09-22):

| <b>XA12</b>      | <b>DB31201</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31201.
  - 3) Re-install the ASG-L card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31201.

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- 2) Re-install the ASG-L card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the PSEU-1 to the coupler:
  - (a) Remove the PSEU-1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
  - (b) Disconnect connector DB32115 from the coupler B32115.
  - (c) Do a wiring check between these pins of connector DM32021AD at the E1-5 shelf and connector DB32115 at the P111 panel (WDM 32-08-11):

| DM32021AD | DB32115 |
|-----------|---------|
| pin 2T    | pin 5   |
| pin 2TR   | pin 4   |
| pin 1T    | pin 2   |
| pin 1TR   | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB32115.
  - 3) Re-install the PSEU-1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then do these steps:
  - 1) Re-connect connector DB32115.
  - 2) Re-install the PSEU-1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

————— **END OF TASK** —————

### 830. LSCF ASG-L No Input from PSEU-2 on Systems 629 Bus-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17489.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12, in the left systems cardfile (LSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Communication, A17 in the proximity sensor electronics unit PSEU-2, M32025.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-L card in the LSCF to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B32215, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the PSEU-2 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the LSCF wiring from the ASG-L to the coupler:
- (a) Remove the ASG-L card, P85A12 in the LSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31101 from the coupler B31101.
- (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector DB31101 at the P111 panel (SSM 31-09-12):

| <b>XA12</b>      | <b>DB31101</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31101.
  - 3) Re-install the ASG-L card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31101.
  - 2) Re-install the ASG-L card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the PSEU-2 to the coupler:
  - (a) Remove the PSEU-2, M32025. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
  - (b) Disconnect connector DB32215 from the coupler B32215.
  - (c) Do a wiring check between these pins of connector DM32025AA at the E4-1 shelf and connector DB32215 at the P111 panel (WDM 32-08-21):

| DM32025AA | DB32215 |
|-----------|---------|
| pin 2T    | pin 5   |
| pin 2TR   | pin 4   |
| pin 1T    | pin 2   |
| pin 1TR   | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB32215.
  - 3) Re-install the PSEU-2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then do these steps:
  - 1) Re-connect connector DB32215.
  - 2) Re-install the PSEU-2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

————— **END OF TASK** —————

### 831. RSCF ASG-L No Input from PSEU-2 on Systems 629 Bus-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17490.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12, in the right systems cardfile (RSCF).

These are the tasks:

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ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Communication, A17 in the proximity sensor electronics unit PSEU-2, M32025.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,  
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-L card in the RSCF to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B32215, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the PSEU-2 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the RSCF wiring from the ASG-L to the coupler:
- (a) Remove the ASG-L card, P84A12 in the RSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31201 from the coupler B31201.
  - (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector DB31201 at the P111 panel (SSM 31-09-22):

| <b>XA12</b> | <b>DB31201</b> |
|-------------|----------------|
| pin 10      | pin 5          |
| pin 7       | pin 4          |
| pin 9       | pin 2          |
| pin 6       | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:

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- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
- 2) Re-connect connector DB31201.
- 3) Re-install the ASG-L card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31201.
  - 2) Re-install the ASG-L card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the PSEU-2 to the coupler:
  - (a) Remove the PSEU-2, M32025. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
  - (b) Disconnect connector DB32215 from the coupler B32215.
  - (c) Do a wiring check between these pins of connector DM32025AA at the E4-1 shelf and connector DB32215 at the P111 panel (WDM 32-08-21):

| DM32025AA         | DB32215 |
|-------------------|---------|
| pin 2T . . . . .  | pin 5   |
| pin 2TR . . . . . | pin 4   |
| pin 1T . . . . .  | pin 2   |
| pin 1TR . . . . . | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB32215.
  - 3) Re-install the PSEU-2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then do these steps:
  - 1) Re-connect connector DB32215.
  - 2) Re-install the PSEU-2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

————— **END OF TASK** —————

### 832. LSCF ASG-L No Input from WES-L on Systems 629 Bus-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17493.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Warning Electronic Unit (WEU), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left ASG card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31122, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects left WEU to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (5) Do this check of the wiring from the ASG-L to the coupler:
  - (a) Remove the ASG-L card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31101 from the coupler B31101.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector DB31101 at the P111 panel (SSM 31-09-12):



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| <b>XA12</b>  | <b>DB31101</b> |
|--------------|----------------|
| pin 10 ..... | pin 5          |
| pin 7 .....  | pin 4          |
| pin 9 .....  | pin 2          |
| pin 6 .....  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31101.
  - 3) Re-install the ASG-L card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB31101.
- (g) Re-install the ASG-L card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the WEU-L to the coupler:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Disconnect connector DB31122 from the coupler B31122.
  - (c) Do a wiring check between these pins of connector DM31107AB at the E1-5 shelf and connector DB31122 at the P111 panel (WDM 31-51-13):

| <b>DM31107AB</b> | <b>DB31122</b> |
|------------------|----------------|
| pin 5T .....     | pin 5          |
| pin 5TR .....    | pin 4          |
| pin 2T .....     | pin 2          |
| pin 2TR .....    | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31122.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then do these steps:
  - 1) Re-connect connector DB31122.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

———— **END OF TASK** ————

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### 833. RSCF ASG-L No Input from WEU-L on Systems 629 Bus-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17494.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12, in the right systems cardfile (RSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left warning electronic unit (WEU), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the ASG-L card in the RSCF to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31122, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-L to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the RSCF wiring from the ASG-L to the coupler:

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- (a) Remove the ASG-L card, P84A12 in the RSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31201 from the coupler B31201.
- (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector DB31201 at the P111 panel (SSM 31-09-22):

| <b>XA12</b>      | <b>DB31201</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31201.
  - 3) Re-install the ASG-L card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31201.
  - 2) Re-install the ASG-L card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the WEU-L to the coupler:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Disconnect connector DB31122 from the coupler B31122.
  - (c) Do a wiring check between these pins of connector DM31107AB at the E1-5 shelf and connector DB31122 at the P111 panel (WDM 31-51-13):

| <b>DM31107AB</b>  | <b>DB31122</b> |
|-------------------|----------------|
| pin 5T . . . . .  | pin 5          |
| pin 5TR . . . . . | pin 4          |
| pin 2T . . . . .  | pin 2          |
| pin 2TR . . . . . | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31122.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31122.

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- 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

————— **END OF TASK** —————

**834. LSCF ASG-R No Input from AIMS-L on Systems 629 Bus-R - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17615.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15, in the left systems cardfile (LSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M004) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the ASG-R card in the LSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31211, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the left AIMS cabinet to the Systems 629 Bus-R.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the LSCF wiring from the ASG-R card to the coupler:
  - (a) Remove the ASG-R card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31102 from the coupler B31102.
  - (c) Do a wiring check between these pins of connector XA15 at the P85A15 shelf and connector DB31102 at the P211 panel (SSM 31-09-12):

| <b>XA15</b>      | <b>DB31102</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31102.
  - 3) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31102.
  - 2) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the AIMS-L cabinet to the coupler:
  - (a) Remove the IOM(M004) module from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31211 from the coupler B31211.
  - (c) Do a wiring check between these pins of connector J250-B at the left AIMS cabinet and connector DB31211 at the P211 panel (WDM 31-41-25):

| <b>J250-B</b>    | <b>DB31211</b> |
|------------------|----------------|
| pin G3 . . . . . | pin 5          |
| pin G4 . . . . . | pin 4          |
| pin G1 . . . . . | pin 2          |
| pin G2 . . . . . | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31211.
  - 3) Re-install the IOM(M004) module in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31211.
  - 2) Re-install the IOM(M004) module in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

### — END OF TASK —

#### 835. RSCF ASG-R No Input from AIMS-L on Systems 629 Bus-R - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17616.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15, in the right systems cardfile (RSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M004) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R card in the RSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31211, in the P211 panel.

These are the tasks:

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ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left AIMS cabinet to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the RSCF wiring from the ASG-R card to the coupler:
  - (a) Remove the ASG-R card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31202 from the coupler B31202.
  - (c) Do a wiring check between these pins of connector XA15 at the P84A15 shelf and connector DB31202 at the P211 panel (SSM 31-09-22):

| <b>XA15</b>      | <b>DB31202</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31202.
  - 3) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31202.
  - 2) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the AIMS-L cabinet to the coupler:
  - (a) Remove the IOM(M004) module from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31211 from the coupler B31211.
  - (c) Do a wiring check between these pins of connector J250-B at the left AIMS cabinet and connector DB31211 at the P211 panel (WDM 31-41-25):

| <b>J250-B</b>    | <b>DB31211</b> |
|------------------|----------------|
| pin G3 . . . . . | pin 5          |
| pin G4 . . . . . | pin 4          |
| pin G1 . . . . . | pin 2          |
| pin G2 . . . . . | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).

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- 2) Re-connect connector DB31211.
  - 3) Re-install the IOM(M004) module in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DB31211.
  - 2) Re-install the IOM(M004) module in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

————— END OF TASK —————

### 836. LSCF ASG-R No Input from AIMS-R on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17619.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15, in the left systems cardfile (LSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M004) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R card in the LSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31214, in the P211 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the right AIMS cabinet to the Systems 629 Bus-R.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the LSCF wiring from the ASG-R card to the coupler:
- (a) Remove the ASG-R card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31102 from the coupler B31102.
- (c) Do a wiring check between these pins of connector XA15 at the P85A15 shelf and connector DB31102 at the P211 panel (SSM 31-09-12):
- | <b>XA15</b>      | <b>DB31102</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31102.
  - 3) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DB31102.
  - 2) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the AIMS-R cabinet to the coupler:
- (a) Remove the IOM(M004) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Disconnect connector DB31214 from the coupler B31214.
- (c) Do a wiring check between these pins of connector J250-B at the right AIMS cabinet and connector DB31214 at the P211 panel (WDM 31-41-26):

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| J250-B       | DB31214 |
|--------------|---------|
| pin G3 ..... | pin 5   |
| pin G4 ..... | pin 4   |
| pin G1 ..... | pin 2   |
| pin G2 ..... | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31214.
  - 3) Re-install the IOM(M004) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DB31214.
  - 2) Re-install the IOM(M004) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

### — END OF TASK —

#### 837. RSCF ASG-R No Input from AIMS-R on Systems 629 Bus-R - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17620.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15, in the right systems cardfile (RSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M004) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31202, in the P211 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the ASG-R card in the RSCF to the Systems 629 Bus-R.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31214, in the P211 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the right AIMS cabinet to the Systems 629 Bus-R.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the RSCF wiring from the ASG-R card to the coupler:
- (a) Remove the ASG-R card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31202 from the coupler B31202.
- (c) Do a wiring check between these pins of connector XA15 at the P84A15 shelf and connector DB31202 at the P211 panel (SSM 31-09-22):
- | <b>XA15</b>      | <b>DB31202</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31202.
  - 3) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DB31202.
  - 2) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the AIMS-R cabinet to the coupler:

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- (a) Remove the IOM(M004) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Disconnect connector DB31214 from the coupler B31214.
- (c) Do a wiring check between these pins of connector J250-B at the right AIMS cabinet and connector DB31214 at the P211 panel (WDM 31-41-26):

| J250-B | DB31214 |
|--------|---------|
| pin G3 | pin 5   |
| pin G4 | pin 4   |
| pin G1 | pin 2   |
| pin G2 | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31214.
  - 3) Re-install the IOM(M004) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31214.
  - 2) Re-install the IOM(M004) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

————— END OF TASK —————

### 838. LSCF ASG-R No Input from ASCPC-R on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17635.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15, in the left systems cardfile (LSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right Air Supply Cabin Pressure Controller (ASCPC), M36112.

These are the tasks:

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ASCPC Removal, AMM TASK 36-11-20-000-801,  
ASCPC Installation, AMM TASK 36-11-20-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R card in the LSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B36231, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASCPC-R to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the LSCF wiring from the ASG-R to the coupler:
- (a) Remove the ASG-R card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31102 from the coupler B31102.
  - (c) Do a wiring check between these pins of connector XA15 at the P85A15 shelf and connector DB31102 at the P211 panel (SSM 31-09-12):

| <b>XA15</b> |       | <b>DB31102</b> |
|-------------|-------|----------------|
| pin 10      | ..... | pin 5          |
| pin 7       | ..... | pin 4          |
| pin 9       | ..... | pin 2          |
| pin 6       | ..... | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring.
  - 2) Re-connect connector DB31102.
  - 3) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31102.

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- 2) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the ASCPC-R to the coupler:
  - (a) Remove the ASCPC-R, M36112. To remove it, do this task: ASCPC Removal, AMM TASK 36-11-20-000-801.
  - (b) Disconnect connector DB36231 from the coupler B36231.
  - (c) Do a wiring check between these pins of connector DM36112AB at the E2-2 shelf and connector DB36231 at the P211 panel (WDM 36-21-12):

| DM36112AB | DB36231 |
|-----------|---------|
| pin 2T    | pin 5   |
| pin 2TR   | pin 4   |
| pin 1T    | pin 2   |
| pin 1TR   | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB36231.
  - 3) Re-install the ASCPC-R, M36112. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then do these steps:
  - 1) Re-connect connector DB36231.
  - 2) Re-install the ASCPC-R, M36112. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.

————— **END OF TASK** —————

### 839. RSCF ASG-R No Input from ASCPC-R on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17636.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15, in the right systems cardfile (RSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right Air Supply Cabin Pressure Controller (ASCPC), M36112.
- These are the tasks:
- ASCPC Removal, AMM TASK 36-11-20-000-801,  
ASCPC Installation, AMM TASK 36-11-20-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31202, in the P211 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the ASG-R card in the RSCF to the Systems 629 Bus-R.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B36231, in the P211 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the ASCPC-R to the Systems 629 Bus-R.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the RSCF wiring from the ASG-R to the coupler:
- (a) Remove the ASG-R card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31202 from the coupler B31202.
- (c) Do a wiring check between these pins of connector XA15 at the P84A15 shelf and connector DB31202 at the P211 panel (SSM 31-09-22):
- | <b>XA15</b>      | <b>DB31202</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring.
  - 2) Re-connect connector DB31202.
  - 3) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31202.
  - 2) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the ASCPC-R to the coupler:
  - (a) Remove the ASCPC-R, M36112. To remove it, do this task: ASCPC Removal, AMM TASK 36-11-20-000-801.
  - (b) Disconnect connector DB36231 from the coupler B36231.
  - (c) Do a wiring check between these pins of connector DM36112AB at the E2-2 shelf and connector DB36231 at the P211 panel (WDM 36-21-12):

| DM36112AB | DB36231 |
|-----------|---------|
| pin 2T    | pin 5   |
| pin 2TR   | pin 4   |
| pin 1T    | pin 2   |
| pin 1TR   | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB36231.
  - 3) Re-install the ASCPC-R, M36112. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB36231.
  - 2) Re-install the ASCPC-R, M36112. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.

————— **END OF TASK** —————

**840. LSCF ASG-R No Input from VSCF on Systems 629 Bus-R - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17643.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15, in the left system cardfile (LSCF).

These are the tasks:

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ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Backup Generator Converter (VSCF), M24008.

These are the tasks:

Backup Generator Converter Removal, AMM TASK 24-25-09-000-801,  
Backup Generator Converter Installation, AMM TASK 24-25-09-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R card in the LSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the VSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the LSCF wiring from the ASG-R to the coupler:
- (a) Remove the ASG-R card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31102 from the coupler B31102.
  - (c) Do a wiring check between these pins of connector XA15 at the P85A15 shelf and connector DB31102 at the P211 panel (SSM 31-09-12):

| <b>XA12</b>  | <b>DB31101</b> |
|--------------|----------------|
| pin 10 ..... | pin 5          |
| pin 7 .....  | pin 4          |
| pin 9 .....  | pin 2          |
| pin 6 .....  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring.

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- 2) Re-connect connector DB31102.
- 3) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31102.
  - 2) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the VSCF to the coupler:
  - (a) Remove the Backup Generator Converter (VSCF), M24008. To remove it, do this task: Backup Generator Converter Removal, AMM TASK 24-25-09-000-801.
  - (b) Disconnect connector DB24202 from the coupler B24202.
  - (c) Do a wiring check between these pins of connector DM24008B at the E4-4 shelf and connector DB24202 at the P211 panel (WDM 24-25-33):

| DM24008B    | DB24202 |
|-------------|---------|
| pin 5 ..... | pin 5   |
| pin 4 ..... | pin 4   |
| pin 2 ..... | pin 2   |
| pin 1 ..... | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB24202.
  - 3) Re-install the Backup Generator Converter (VSCF), M24008. To install it, do this task: Backup Generator Converter Installation, AMM TASK 24-25-09-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then do these steps:
  - 1) Re-connect connector DB24202.
  - 2) Re-install the Backup Generator Converter (VSCF), M24008. To install it, do this task: Backup Generator Converter Installation, AMM TASK 24-25-09-400-801.

### ————— END OF TASK —————

#### 841. RSCF ASG-R No Input from VSCF on Systems 629 Bus-R - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17644.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15, in the right system cardfile (RSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Backup Generator Converter (VSCF), M24008.

These are the tasks:

Backup Generator Converter Removal, AMM TASK 24-25-09-000-801,

Backup Generator Converter Installation, AMM TASK 24-25-09-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the ASG-R card in the RSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the VSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the RSCF wiring from the ASG-R to the coupler:
  - (a) Remove the ASG-R card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31202 from the coupler B31202.
  - (c) Do a wiring check between these pins of connector XA15 at the P84A15 shelf and connector DB31202 at the P211 panel (SSM 31-09-22):



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| <b>XA12</b>  | <b>DB31101</b> |
|--------------|----------------|
| pin 10 ..... | pin 5          |
| pin 7 .....  | pin 4          |
| pin 9 .....  | pin 2          |
| pin 6 .....  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31202.
  - 3) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DB31202.
  - 2) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the VSCF to the coupler:
- (a) Remove the Backup Generator Converter (VSCF), M24008. To remove it, do this task: Backup Generator Converter Removal, AMM TASK 24-25-09-000-801.
  - (b) Disconnect connector DB24202 from the coupler B24202.
  - (c) Do a wiring check between these pins of connector DM24008B at the E4-4 shelf and connector DB24202 at the P211 panel (WDM 24-25-33):

| <b>DM24008B</b> | <b>DB24202</b> |
|-----------------|----------------|
| pin 5 .....     | pin 5          |
| pin 4 .....     | pin 4          |
| pin 2 .....     | pin 2          |
| pin 1 .....     | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB24202.
  - 3) Re-install the Backup Generator Converter (VSCF), M24008. To install it, do this task: Backup Generator Converter Installation, AMM TASK 24-25-09-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DB24202.
  - 2) Re-install the Backup Generator Converter (VSCF), M24008. To install it, do this task: Backup Generator Converter Installation, AMM TASK 24-25-09-400-801.

————— **END OF TASK** —————

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### 842. LSCF ASG-R No Input from BPCU on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17647.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15, in the left systems cardfile (LSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Bus Power Control Unit (BPCU), M24002.

These are the tasks:

BPCU Removal, AMM TASK 24-41-05-000-801,

BPCU Installation, AMM TASK 24-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the ASG-R card in the LSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24206, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the BPCU to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the LSCF wiring from the ASG-R to the coupler:

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- (a) Remove the ASG-R card, P85A52. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31102 from the coupler B31102.
- (c) Do a wiring check between these pins of connector XA15 at the P85A15 shelf and connector DB31102 at the P211 panel (SSM 31-09-12):

| <b>XA15</b>      | <b>DB31102</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31102.
  - 3) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31102.
  - 2) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the BPCU to the coupler:
  - (a) Remove the Bus Power Control Unit (BPCU), M24002. To remove it, do this task: BPCU Removal, AMM TASK 24-41-05-000-801.
  - (b) Disconnect connector DB24206 from the coupler B24206.
  - (c) Do a wiring check between these pins of connector DM24002AC at the E1-1 shelf and connector DB24206 at the P211 panel (SSM 23-91-21):

| <b>DM24002AC</b>  | <b>DB24206</b> |
|-------------------|----------------|
| pin 5T . . . . .  | pin 5          |
| pin 5TR . . . . . | pin 4          |
| pin 2T . . . . .  | pin 2          |
| pin 2TR . . . . . | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB24206.
  - 3) Reinstall the Bus Power Control Unit (BPCU), M24002. To install it, do this task: BPCU Installation, AMM TASK 24-41-05-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).

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- 2) Re-connect connector DB24206.
- 3) Reinstall the Bus Power Control Unit (BPCU), M24002. To install it, do this task:  
BPCU Installation, AMM TASK 24-41-05-400-801.

### END OF TASK

#### 843. RSCF ASG-R No Input from BPCU on Systems 629 Bus-R - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17648.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15, in the right systems cardfile (RSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Bus Power Control Unit (BPCU), M24002.

These are the tasks:

BPCU Removal, AMM TASK 24-41-05-000-801,

BPCU Installation, AMM TASK 24-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the BPCU to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the RSCF wiring from the ASG-R to the coupler:
  - (a) Remove the ASG-R card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31202 from the coupler B31202.
  - (c) Do a wiring check between these pins of connector XA15 at the P84A15 shelf and connector DB31202 at the P211 panel (SSM 31-09-22):
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31202.
  - 3) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31202.
  - 2) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the BPCU to the coupler:
  - (a) Remove the Bus Power Control Unit (BPCU), M24002. To remove it, do this task: BPCU Removal, AMM TASK 24-41-05-000-801.
  - (b) Disconnect connector DB24206 from the coupler B24206.
  - (c) Do a wiring check between these pins of connector DM24002AC at the E1-1 shelf and connector DB24206 at the P211 panel (SSM 23-91-21):

| <b>XA15</b>      | <b>DB31202</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

| <b>DM24002AC</b>  | <b>DB24206</b> |
|-------------------|----------------|
| pin 5T . . . . .  | pin 5          |
| pin 5TR . . . . . | pin 4          |
| pin 2T . . . . .  | pin 2          |
| pin 2TR . . . . . | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB24206.

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- 3) Reinstall the Bus Power Control Unit (BPCU), M24002. To install it, do this task:  
BPCU Installation, AMM TASK 24-41-05-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB24206.
  - 3) Reinstall the Bus Power Control Unit (BPCU), M24002. To install it, do this task:  
BPCU Installation, AMM TASK 24-41-05-400-801.

————— END OF TASK —————

### 844. LSCF ASG-R No Input from CTC-L on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17651.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15, in the left system cardfile (LSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Cabin Temperature Controller (CTC), M21631.

These are the tasks:

Cabin Temperature Controller (CTC) Removal, AMM TASK 21-61-01-000-801,

Cabin Temperature Controller (CTC) Installation, AMM TASK 21-61-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R card in the LSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B21632, in the P211 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the CTC-L to the Systems 629 Bus-R.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the LSCF wiring from the ASG-R to the coupler:
- (a) Remove the ASG-R card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31102 from the coupler B31102.
- (c) Do a wiring check between these pins of connector XA15 at the P85A15 shelf and connector DB31102 at the P211 panel (SSM 31-09-12):
- | <b>XA15</b>      | <b>DB31102</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31102.
  - 3) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DB31102.
  - 2) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the CTC-L to the coupler:
- (a) Remove the CTC-L, M21631. To remove it, do this task: Cabin Temperature Controller (CTC) Removal, AMM TASK 21-61-01-000-801.
- (b) Disconnect connector DB21632 from the coupler B21632.
- (c) Do a wiring check between these pins of connector DM21631AA at the E1-2 shelf and connector DB21632 at the P211 panel (WDM 21-61-11):

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| DM21631AA     | DB21632 |
|---------------|---------|
| pin 2T .....  | pin 5   |
| pin 2TR ..... | pin 4   |
| pin 1T .....  | pin 2   |
| pin 1TR ..... | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB21632.
  - 3) Re-install the CTC-L, M21631. To install it, do this task: Cabin Temperature Controller (CTC) Installation, AMM TASK 21-61-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DB21632.
  - 2) Re-install the CTC-L, M21631. To install it, do this task: Cabin Temperature Controller (CTC) Installation, AMM TASK 21-61-01-400-801.

### — END OF TASK —

#### 845. RSCF ASG-R No Input from CTC-L on Systems 629 Bus-R - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17652.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15, in the right system cardfile (RSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Cabin Temperature Controller (CTC), M21631.

These are the tasks:

Cabin Temperature Controller (CTC) Removal, AMM TASK 21-61-01-000-801,

Cabin Temperature Controller (CTC) Installation, AMM TASK 21-61-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31202, in the P211 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the ASG-R card in the RSCF to the Systems 629 Bus-R.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B21632, in the P211 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the CTC-L to the Systems 629 Bus-R.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the RSCF wiring from the ASG-R to the coupler:
- (a) Remove the ASG-R card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31202 from the coupler B31202.
- (c) Do a wiring check between these pins of connector XA15 at the P84A15 shelf and connector DB31202 at the P211 panel (SSM 31-09-22):
- | <b>XA15</b>      | <b>DB31202</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31202.
  - 3) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DB31202.
  - 2) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the CTC-L to the coupler:

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- (a) Remove the CTC-L, M21631. To remove it, do this task: Cabin Temperature Controller (CTC) Removal, AMM TASK 21-61-01-000-801.
- (b) Disconnect connector DB21632 from the coupler B21632.
- (c) Do a wiring check between these pins of connector DM21631AA at the E1-2 shelf and connector DB21632 at the P211 panel (WDM 21-61-11):

| DM21631AA         | DB21632 |
|-------------------|---------|
| pin 2T . . . . .  | pin 5   |
| pin 2TR . . . . . | pin 4   |
| pin 1T . . . . .  | pin 2   |
| pin 1TR . . . . . | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB21632.
  - 3) Re-install the CTC-L, M21631. To install it, do this task: Cabin Temperature Controller (CTC) Installation, AMM TASK 21-61-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then do these steps:
  - 1) Re-connect connector DB21632.
  - 2) Re-install the CTC-L, M21631. To install it, do this task: Cabin Temperature Controller (CTC) Installation, AMM TASK 21-61-01-400-801.

### — END OF TASK —

#### 846. LSCF ASG-R No Input from CTC-R on Systems 629 Bus-R - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17655.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15, in the left system cardfile (LSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right Cabin Temperature Controller (CTC), M21632.

These are the tasks:

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Cabin Temperature Controller (CTC) Removal, AMM TASK 21-61-01-000-801,  
Cabin Temperature Controller (CTC) Installation, AMM TASK 21-61-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R card in the LSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B21634, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the CTC-R to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the LSCF wiring from the ASG-R to the coupler:
- (a) Remove the ASG-R card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31102 from the coupler B31102.
  - (c) Do a wiring check between these pins of connector XA15 at the P85A15 shelf and connector DB31102 at the P211 panel (SSM 31-09-12):

| <b>XA15</b>      | <b>DB31102</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31102.
  - 3) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31102.

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- 2) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the CTC-R to the coupler:
  - (a) Remove the CTC-R, M21632. To remove it, do this task: Cabin Temperature Controller (CTC) Removal, AMM TASK 21-61-01-000-801.
  - (b) Disconnect connector DB21634 from the coupler B21634.
  - (c) Do a wiring check between these pins of connector DM21632AD at the E2-2 shelf and connector DB21634 at the P211 panel (WDM 21-61-12):

| DM21632AD | DB21634 |
|-----------|---------|
| pin 1T    | pin 5   |
| pin 1TR   | pin 4   |
| pin 2T    | pin 2   |
| pin 2TR   | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB21634.
  - 3) Re-install the CTC-R, M21632. To install it, do this task: Cabin Temperature Controller (CTC) Installation, AMM TASK 21-61-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB21634.
  - 2) Re-install the CTC-R, M21632. To install it, do this task: Cabin Temperature Controller (CTC) Installation, AMM TASK 21-61-01-400-801.

————— **END OF TASK** —————

### 847. RSCF ASG-R No Input from CTC-R on Systems 629 Bus-R - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17656.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15, in the right system cardfile (RSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right Cabin Temperature Controller (CTC), M21632.
- These are the tasks:
- Cabin Temperature Controller (CTC) Removal, AMM TASK 21-61-01-000-801,  
Cabin Temperature Controller (CTC) Installation, AMM TASK 21-61-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31202, in the P211 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the ASG-R card in the RSCF to the Systems 629 Bus-R.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B21634, in the P211 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the CTC-R to the Systems 629 Bus-R.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the RSCF wiring from the ASG-R to the coupler:
- (a) Remove the ASG-R card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31202 from the coupler B31202.
- (c) Do a wiring check between these pins of connector XA15 at the P84A15 shelf and connector DB31202 at the P211 panel (SSM 31-09-22):
- | <b>XA15</b>      | <b>DB31202</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31202.
  - 3) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31202.
  - 2) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the CTC-R to the coupler:
  - (a) Remove the CTC-R, M21632. To remove it, do this task: Cabin Temperature Controller (CTC) Removal, AMM TASK 21-61-01-000-801.
  - (b) Disconnect connector DB21634 from the coupler B21634.
  - (c) Do a wiring check between these pins of connector DM21632AD at the E2-2 shelf and connector DB21634 at the P211 panel (WDM 21-61-12):

| <b>DM21632AD</b>  | <b>DB21634</b> |
|-------------------|----------------|
| pin 1T . . . . .  | pin 5          |
| pin 1TR . . . . . | pin 4          |
| pin 2T . . . . .  | pin 2          |
| pin 2TR . . . . . | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB21634.
  - 3) Re-install the CTC-R, M21632. To install it, do this task: Cabin Temperature Controller (CTC) Installation, AMM TASK 21-61-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB21634.
  - 2) Re-install the CTC-R, M21632. To install it, do this task: Cabin Temperature Controller (CTC) Installation, AMM TASK 21-61-01-400-801.

———— **END OF TASK** ————

**848. LSCF ASG-R No Input from FSEU-2 on Systems 629 Bus-R - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17675.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15, in the left systems cardfile (LSCF).

These are the tasks:

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ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the flap slat electronics unit FSEU 2, M27002.

These are the tasks:

Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801,  
Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R card in the LSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B27201, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the FSEU 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the LSCF wiring from the ASG-R to the coupler:
- (a) Remove the ASG-R card, P85A15 in the LSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31102 from the coupler B31102.
  - (c) Do a wiring check between these pins of connector XA15 at the P85A15 slot and connector DB31102 at the P211 panel (SSM 31-09-12):

| <b>XA15</b> | <b>DB31102</b> |
|-------------|----------------|
| pin 10      | pin 5          |
| pin 7       | pin 4          |
| pin 9       | pin 2          |
| pin 6       | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).

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- 2) Re-connect connector DB31102.
- 3) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31102.
  - 2) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the FSEU 2 to the coupler:
  - (a) Remove the FSEU 2, M27002. To remove it, do this task: Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801.
  - (b) Disconnect connector DB27201 from the coupler B27201.
  - (c) Do a wiring check between these pins of connector DM27002AB at the E4-1 shelf, and connector DB27201 at the P211 panel (WDM 27-51-12):

| DM27002AB     | DB27201 |
|---------------|---------|
| pin 5T .....  | pin 5   |
| pin 5TR ..... | pin 4   |
| pin 2T .....  | pin 2   |
| pin 2TR ..... | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB27201.
  - 3) Re-install the FSEU-2, M27002. To install it, do this task: Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB27201.
  - 2) Re-install the FSEU-2, M27002. To install it, do this task: Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.

————— **END OF TASK** —————

### 849. RSCF ASG-R No Input from FSEU-2 on Systems 629 Bus-R - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17676.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15, in the right systems cardfile (RSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the flap slat electronics unit FSEU 2, M27002.

These are the tasks:

Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801,

Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R card in the RSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B27201, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the FSEU 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the RSCF wiring from the ASG-R to the coupler:
  - (a) Remove the ASG-R card, P84A15 in the RSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31202 from the coupler B31202.
  - (c) Do a wiring check between these pins of connector XA15 at the P84A15 slot and connector DB31202 at the P211 panel (SSM 31-09-22):

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| <b>XA15</b>  | <b>DB31202</b> |
|--------------|----------------|
| pin 10 ..... | pin 5          |
| pin 7 .....  | pin 4          |
| pin 9 .....  | pin 2          |
| pin 6 .....  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31202.
  - 3) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DB31202.
  - 2) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the FSEU 2 to the coupler:
- (a) Remove the FSEU 2, M27002. To remove it, do this task: Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801.
- (b) Disconnect connector DB27201 from the coupler B27201.
- (c) Do a wiring check between these pins of connector DM27002AB at the E4-1 shelf, and connector DB27201 at the P211 panel (WDM 27-51-12):

| <b>DM27002AB</b> | <b>DB27201</b> |
|------------------|----------------|
| pin 5T .....     | pin 5          |
| pin 5TR .....    | pin 4          |
| pin 2T .....     | pin 2          |
| pin 2TR .....    | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB27201.
  - 3) Re-install the FSEU 2, M27002. To install it, do this task: Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DB27201.
  - 2) Re-install the FSEU 2, M27002. To install it, do this task: Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.

————— **END OF TASK** —————

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### 850. LSCF ASG-R No Input from OPBC-L on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17679.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15, in the left systems cardfile (LSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left overhead panel bus controller (OPBC), M23112.

These are the tasks:

Left Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-801,

Left Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the ASG-R card in the LSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B23226, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the OPBC-L to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the LSCF wiring from the ASG-R to the coupler:

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- (a) Remove the ASG-R card, P85A15 in the LSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31102 from the coupler B31102.
- (c) Do a wiring check between these pins of connector XA15 at the P85A15 slot and connector DB31102 at the P211 panel (SSM 31-09-12):

| <b>XA15</b>      | <b>DB31102</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31102.
  - 3) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31102.
  - 2) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the OPBC-L to the coupler:
  - (a) Remove the OPBC-L, M23112. To remove it, do this task: Left Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-801.
  - (b) Disconnect connector DB23226 from the coupler B23226.
  - (c) Do a wiring check between these pins of connector DM23112C at STA 216, WL 220, LBL 65 and connector DB23226 at the P211 panel (WDM 23-93-11):

| <b>DM23112C</b> | <b>DB23226</b> |
|-----------------|----------------|
| pin 5 . . . . . | pin 5          |
| pin 4 . . . . . | pin 4          |
| pin 2 . . . . . | pin 2          |
| pin 1 . . . . . | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB23226.
  - 3) Re-install the OPBC-L, M23112. To install it, do this task: Left Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB23226.

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- 2) Re-install the OPBC-L, M23112. To install it, do this task: Left Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-801.

————— END OF TASK —————

### 851. RSCF ASG-R No Input from OPBC-L on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17680.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15, in the right systems cardfile (RSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left overhead panel bus controller (OPBC), M23112.

These are the tasks:

Left Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-801,

Left Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the ASG-R card in the RSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B23226, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the OPBC-L to the Systems 629 Bus-R.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the RSCF wiring from the ASG-R to the coupler:
  - (a) Remove the ASG-R card, P84A15 in the RSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31202 from the coupler B31202.
  - (c) Do a wiring check between these pins of connector XA15 at the P84A15 slot and connector DB311202 at the P211 panel (SSM 31-09-22):

| <b>XA15</b>      | <b>DB31202</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31202.
  - 3) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31202.
  - 2) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the OPBC-L to the coupler:
  - (a) Remove the OPBC-L, M23112. To remove it, do this task: Left Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-801.
  - (b) Disconnect connector DB23226 from the coupler B23226.
  - (c) Do a wiring check between these pins of connector DM23112C at STA 216, WL 220, LBL 65 and connector DB23226 at the P211 panel (WDM 23-93-11):

| <b>DM23112C</b> | <b>DB23226</b> |
|-----------------|----------------|
| pin 5 . . . . . | pin 5          |
| pin 4 . . . . . | pin 4          |
| pin 2 . . . . . | pin 2          |
| pin 1 . . . . . | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB23226.
  - 3) Re-install the OPBC-L, M23112. To install it, do this task: Left Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB23226.
  - 2) Re-install the OPBC-L, M23112. To install it, do this task: Left Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-801.

### — END OF TASK —

#### 852. LSCF ASG-R No Input from OPBC-R on Systems 629 Bus-R - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17683.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15, in the left systems cardfile (LSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right overhead panel bus controller (OPBC), M23212.

These are the tasks:

Right Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-802,

Right Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R card in the LSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B23227, in the P211 panel.

These are the tasks:

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ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the OPBC-R to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the LSCF wiring from the ASG-R to the coupler:
  - (a) Remove the ASG-R card, P85A15 in the LSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31102 from the coupler B31102.
  - (c) Do a wiring check between these pins of connector XA15 at the P85A15 slot and connector DB31102 at the P211 panel (SSM 31-09-12):
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31102.
  - 3) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31102.
  - 2) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the OPBC-R to the coupler:
  - (a) Remove the OPBC-R, M23212. To remove it, do this task: Right Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-802.
  - (b) Disconnect connector DB23227 from the coupler B23227.
  - (c) Do a wiring check between these pins of connector DM23212C at STA 237, WL 218, RBL 65 and connector DB23227 at the P211 panel (WDM 23-93-21):

| <b>XA15</b>      | <b>DB31102</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

| <b>DM23212C</b> | <b>DB23227</b> |
|-----------------|----------------|
| pin 5 . . . . . | pin 5          |
| pin 4 . . . . . | pin 4          |
| pin 2 . . . . . | pin 2          |
| pin 1 . . . . . | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).

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- 2) Re-connect connector DB23227.
  - 3) Re-install the OPBC-R, M23212. To install it, do this task: Right Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DB23227.
  - 2) Re-install the OPBC-R, M23212. To install it, do this task: Right Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-802.

———— **END OF TASK** ————

**853. RSCF ASG-R No Input from OPBC-R on Systems 629 Bus-R - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17684.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15, in the right systems cardfile (RSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right overhead panel bus controller (OPBC), M23212.

These are the tasks:

Right Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-802,

Right Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R card in the RSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B23227, in the P211 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the OPBC-R to the Systems 629 Bus-R.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the RSCF wiring from the ASG-R to the coupler:
- (a) Remove the ASG-R card, P84A15 in the RSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31202 from the coupler B31202.
- (c) Do a wiring check between these pins of connector XA15 at the P84A15 slot and connector DB31202 at the P211 panel (SSM 31-09-22):
- | <b>XA15</b>      | <b>DB31202</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31202.
  - 3) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DB31202.
  - 2) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the OPBC-R to the coupler:
- (a) Remove the OPBC-R, M23212. To remove it, do this task: Right Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-802.
- (b) Disconnect connector DB23227 from the coupler B23227.
- (c) Do a wiring check between these pins of connector DM23212C at STA 237, WL 218, RBL 65 and connector DB23227 at the P211 panel (WDM 23-93-21):

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### DM23212C

|       |       |       |
|-------|-------|-------|
| pin 5 | ..... | pin 5 |
| pin 4 | ..... | pin 4 |
| pin 2 | ..... | pin 2 |
| pin 1 | ..... | pin 1 |

### DB23227

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB23227.
  - 3) Re-install the OPBC-R, M23212. To install it, do this task: Right Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DB23227.
  - 2) Re-install the OPBC-R, M23212. To install it, do this task: Right Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-802.

### — END OF TASK —

## 854. LSCF ASG-R No Input from PSEU-1 on Systems 629 Bus-R - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17687.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15, in the left systems cardfile (LSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Communication, A17 in the proximity sensor electronics unit (PSEU)1, M32021.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31102, in the P211 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the ASG-R card in the LSCF to the Systems 629 Bus-R.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B32301, in the P211 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the PSEU-1 to the Systems 629 Bus-R.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the LSCF wiring from the ASG-R to the coupler:
- (a) Remove the ASG-R card, P85A15 in the LSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31102 from the coupler B31102.
- (c) Do a wiring check between these pins of connector XA15 at the P85A15 slot and connector DB31102 at the P211 panel (SSM 31-09-12):
- | <b>XA15</b>      | <b>DB31102</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31102.
  - 3) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DB31102.
  - 2) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the PSEU-1 to the coupler:

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- (a) Remove the PSEU-1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (b) Disconnect connector DB32301 from the coupler B32301.
- (c) Do a wiring check between these pins of connector DM32021AA at the E1-5 shelf and connector DB32301 at the P211 panel (WDM 32-08-11):

| DM32021AA         | DB32301 |
|-------------------|---------|
| pin 2T . . . . .  | pin 5   |
| pin 2TR . . . . . | pin 4   |
| pin 1T . . . . .  | pin 2   |
| pin 1TR . . . . . | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB32301.
  - 3) Re-install the PSEU-1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB32301.
  - 2) Re-install the PSEU-1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

### — END OF TASK —

#### 855. RSCF ASG-R No Input from PSEU-1 on Systems 629 Bus-R - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17688.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15, in the right systems cardfile (RSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Communication, A17 in the proximity sensor electronics unit (PSEU)1, M32021.

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These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R card in the RSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B32301, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the PSEU-1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the RSCF wiring from the ASG-R to the coupler:
- (a) Remove the ASG-R card, P84A15 in the RSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31202 from the coupler B31202.
  - (c) Do a wiring check between these pins of connector XA15 at the P84A15 slot and connector DB31202 at the P211 panel (SSM 31-09-22):

| <b>XA15</b>      | <b>DB31202</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31202.
  - 3) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.

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- 1) Re-connect connector DB31202.
- 2) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the PSEU-1 to the coupler:
  - (a) Remove the PSEU-1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
  - (b) Disconnect connector DB32301 from the coupler B32301.
  - (c) Do a wiring check between these pins of connector DM32021AA at the E1-5 shelf and connector DB32301 at the P211 panel (WDM 32-08-11):

| DM32021AA         | DB32301 |
|-------------------|---------|
| pin 2T . . . . .  | pin 5   |
| pin 2TR . . . . . | pin 4   |
| pin 1T . . . . .  | pin 2   |
| pin 1TR . . . . . | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB32301.
  - 3) Re-install the PSEU-1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB32301.
  - 2) Re-install the PSEU-1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

————— **END OF TASK** —————

### 856. LSCF ASG-R No Input from PSEU-2 on Systems 629 Bus-R - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17691.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15, in the left systems cardfile (LSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Communication, A02 in the proximity sensor electronics unit (PSEU)1, M32025.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,  
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R card in the LSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B32302, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the PSEU-2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the LSCF wiring from the ASG-R to the coupler:
  - (a) Remove the ASG-R card, P85A15 in the LSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31102 from the coupler B31102.
  - (c) Do a wiring check between these pins of connector XA15 at the P85A15 slot and connector DB31102 at the P211 panel (SSM 31-09-12):

| <b>XA15</b>      | <b>DB31102</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31102.

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- 3) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31102.
  - 2) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the PSEU-2 to the coupler:
  - (a) Remove the PSEU-2, M32025. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
  - (b) Disconnect connector DB32302 from the coupler B32302.
  - (c) Do a wiring check between these pins of connector DM32025AD at the E4-1 shelf and connector DB32302 at the P211 panel (WDM 32-08-21):

| DM32025AD         | DB32302 |
|-------------------|---------|
| pin 2T . . . . .  | pin 5   |
| pin 2TR . . . . . | pin 4   |
| pin 1T . . . . .  | pin 2   |
| pin 1TR . . . . . | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB32302.
  - 3) Re-install the PSEU-2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB32302.
  - 2) Re-install the PSEU-2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

————— **END OF TASK** —————

### 857. RSCF ASG-R No Input from PSEU-2 on Systems 629 Bus-R - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17692.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15, in the right systems cardfile (RSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Communication, A02 in the proximity sensor electronics unit PSEU 1, M32025.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R card in the RSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B32302, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the PSEU 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the RSCF wiring from the ASG-R to the coupler:
  - (a) Remove the ASG-R card, P84A15 in the RSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31202 from the coupler B31202.
  - (c) Do a wiring check between these pins of connector XA15 at the P84A15 slot and connector DB31202 at the P211 panel (SSM 31-09-22):



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| <b>XA15</b>      | <b>DB31202</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31202.
  - 3) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DB31202.
  - 2) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the PSEU 2 to the coupler:
- (a) Remove the PSEU 2, M32025. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
  - (b) Disconnect connector DB32302 from the coupler B32302.
  - (c) Do a wiring check between these pins of connector DM32025AD at the E4-1 shelf and connector DB32302 at the P211 panel (WDM 32-08-21):

| <b>DM32025AD</b>  | <b>DB32302</b> |
|-------------------|----------------|
| pin 2T . . . . .  | pin 5          |
| pin 2TR . . . . . | pin 4          |
| pin 1T . . . . .  | pin 2          |
| pin 1TR . . . . . | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB32302.
  - 3) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DB32302.
  - 2) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

———— **END OF TASK** ————

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### 858. LSCF ASG-R No Input from WEU-R on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17699.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15, in the left systems cardfile (LSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right warning electronic unit (WEU), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the ASG-R card in the LSCF to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31222, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-R to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the LSCF wiring from the ASG-R to the coupler:

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- (a) Remove the ASG-R card, P85A15 in the RSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31102 from the coupler B31102.
- (c) Do a wiring check between these pins of connector XA15 at the P85A15 slot and connector DB31102 at the P211 panel (SSM 31-09-12):

| <b>XA15</b>      | <b>DB31102</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31102.
  - 3) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31102.
  - 2) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the WEU-R to the coupler:
  - (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Disconnect connector DB31222 from the coupler B31222.
  - (c) Do a wiring check between these pins of connector DM31207AB at the E4-2 shelf and connector DB31222 at the P211 panel (WDM 31-51-23):

| <b>DM31207AB</b>  | <b>DB31222</b> |
|-------------------|----------------|
| pin 5T . . . . .  | pin 5          |
| pin 5TR . . . . . | pin 4          |
| pin 2T . . . . .  | pin 2          |
| pin 2TR . . . . . | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31222.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31222.

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- 2) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

**END OF TASK**

**859. LSCF ASG-L No Input from ELMS P110 Electronics Unit on Systems 629 Bus-L - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17472.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the CCU in P110, M24502.

This is the task:

Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left ASG card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24107, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ELMS P110 Electronics Unit to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:
- (a) Remove the left ASG card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31101 from the coupler B31101.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector DB31101 at the P111 panel (SSM 31-09-12):

| <b>XA12</b>  | <b>DB31101</b> |
|--------------|----------------|
| pin 10 ..... | pin 5          |
| pin 7 .....  | pin 4          |
| pin 9 .....  | pin 2          |
| pin 6 .....  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
    - 2) Re-connect connector DB31101.
    - 3) Re-install the left ASG card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If you do not find a problem with the wiring, then continue.
  - (f) Re-connect connector DB31101.
  - (g) Re-install the left ASG card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the left ELMS computing and communication unit (CCU) to the coupler:
- (a) Disconnect connector DM24502A from the CCU, M24502, in the P110 power panel.
  - (b) Disconnect connector DB24107 from the coupler B24107.
  - (c) Do a wiring check between these pins of connector DM24502A at the P110 power panel CCU and connector DB24107 at the P111 panel (WDM 24-09-24):

| <b>DB24107</b> | <b>DM24502A</b> |
|----------------|-----------------|
| pin 5 .....    | pin 2           |
| pin 4 .....    | pin 3           |
| pin 2 .....    | pin 5           |
| pin 1 .....    | pin 6           |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DB24107 and DM24502A.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 860. RSCF ASG-L No Input from ELMS P110 Electronics Unit on Systems 629 Bus-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17473.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the CCU in P110, M24502.

This is the task:

Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the ASG-L card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24107, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the ELMS P110 Electronics Unit to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:
  - (a) Remove the ASG-L card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.

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- (b) Disconnect connector DB31201 from the coupler B31201.
- (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector DB31201 at the P111 panel (SSM 31-09-22):

| <b>XA12</b>  | <b>DB31201</b> |
|--------------|----------------|
| pin 10 ..... | pin 5          |
| pin 7 .....  | pin 4          |
| pin 9 .....  | pin 2          |
| pin 6 .....  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31201.
  - 3) Re-install the ASG-L card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31201.
  - 2) Re-install the ASG-L card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring:
  - (a) Disconnect connector DM24502A from CCU, M24502, in the P110 power panel.
  - (b) Disconnect connector DB24107 from the coupler B24107.
  - (c) Do a wiring check between these pins of connector DM24502A at the P110 power panel and connector DB24107 at the P111 panel (WDM 24-09-24):

| <b>DM24502A</b> | <b>DB24107</b> |
|-----------------|----------------|
| pin 2 .....     | pin 5          |
| pin 3 .....     | pin 4          |
| pin 5 .....     | pin 2          |
| pin 6 .....     | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DM24502A and DB24107.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

**861. LSCF ASG-L No Input from ELMS P310 Electronics Unit on Systems 629 Bus-L - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17474.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the CCU in P310, M24510.

This is the task:

Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the ASG-L card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24109, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the ELMS P310 Electronics Unit to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:
  - (a) Remove the ASG-L card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31101 from the coupler B31101.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector DB31101 at the P111 panel (SSM 31-09-12):

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| XA12         | DB31101 |
|--------------|---------|
| pin 10 ..... | pin 5   |
| pin 7 .....  | pin 4   |
| pin 9 .....  | pin 2   |
| pin 6 .....  | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31101.
  - 3) Re-install the ASG-L card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DB31101.
  - 2) Re-install the ASG-L card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring:
- (a) Disconnect connector DM24510A from CCU, M24510, in the P310 power panel.
  - (b) Disconnect connector DB24109 from the coupler B24109.
  - (c) Do a wiring check between these pins of connector DM24510A at the P310 power panel and connector DB24109 at the P111 panel (WDM 24-09-26):

| DB24109     | DM24510A |
|-------------|----------|
| pin 5 ..... | pin 2    |
| pin 4 ..... | pin 3    |
| pin 2 ..... | pin 5    |
| pin 1 ..... | pin 6    |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DB24109 and DM24510A.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 862. RSCF ASG-L No Input from ELMS P310 Electronics Unit on Systems 629 Bus-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17475.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (2) Do a check of the CCU in P310, M24510.

This is the task:

Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (3) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the ASG-L card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (4) Replace the ARINC 629 coupler, B24109, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the ELMS P310 Electronics Unit to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (5) Do this check of the wiring from the ASG-L to the coupler:

- (a) Remove the ASG-L card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31201 from the coupler B31201.
- (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector DB31201 at the P111 panel (SSM 31-09-22):

| <b>XA12</b>  | <b>DB31201</b> |
|--------------|----------------|
| pin 10 ..... | pin 5          |
| pin 7 .....  | pin 4          |
| pin 9 .....  | pin 2          |
| pin 6 .....  | pin 1          |

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- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31201.
  - 3) Re-install the ASG-L card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31201.
  - 2) Re-install the ASG-L card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring:
  - (a) Disconnect connector DM24510A from CCU, M24510, in the P310 power panel.
  - (b) Disconnect connector DB24109 from the coupler B24109.
  - (c) Do a wiring check between these pins of connector DM24510A at the P310 power panel and connector DB24109 at the P111 panel (WDM 24-09-26):

| DB24109 | DM24510A |
|---------|----------|
| pin 5   | pin 2    |
| pin 4   | pin 3    |
| pin 2   | pin 5    |
| pin 1   | pin 6    |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DB24109 and DM24510A.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 863. LSCF ASG-R No Input from ELMS P110 Electronics Unit on Systems 629 Bus-R - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17701.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the CCU in P110, M24502.

This is the task:

Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R card to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24207, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ELMS P110 Electronics Unit to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-R to the coupler:
  - (a) Remove the ASG-R card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31102 from the coupler B31102.
  - (c) Do a wiring check between these pins of connector XA15 at the P85A15 slot and connector DB31102 at the P211 panel (SSM 31-09-12):

| <b>XA15</b>      | <b>DB31102</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring ( ).
  - 2) Re-connect connector DB31102.
  - 3) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31102.
  - 2) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring:
  - (a) Disconnect connector DM24502A from the CCU, M24502, in the P110 power panel.
  - (b) Disconnect connector DB24207 from the coupler B24207.
  - (c) Do a wiring check between these pins of connector DM24502A at the P110 power panel and connector DB24207 at the P211 panel (WDM 24-09-24):

| DB24207 | DM24502A |
|---------|----------|
| pin 5   | pin 123  |
| pin 4   | pin 124  |
| pin 2   | pin 126  |
| pin 1   | pin 127  |
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DB24207 and DM24502A.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 864. RSCF ASG-R No Input from ELMS P110 Electronics Unit on Systems 629 Bus-R - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17702.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15.  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the CCU in P110, M24502.  
This is the task:

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R card to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24207, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ELMS P110 Electronics Unit to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-R to the coupler:
- (a) Remove the ASG-R card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31202 from the coupler B31202.
  - (c) Do a wiring check between these pins of connector DP8406 at the P84A15 slot and connector DB31202 at the P211 panel (SSM 31-09-22):

| DP8406          | DB31202 |
|-----------------|---------|
| pin 5 . . . . . | pin 5   |
| pin 4 . . . . . | pin 4   |
| pin 2 . . . . . | pin 2   |
| pin 1 . . . . . | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31202.
  - 3) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31202.

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- 2) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring:
  - (a) Disconnect connector DM24502A from the CCU, M24502, in the P110 power panel.
  - (b) Disconnect connector DB24207 from the coupler B24207.
  - (c) Do a wiring check between these pins of connector DM24502A at the P110 power panel and connector DB24207 at the P211 panel (WDM 24-09-24):

| DB24207 | DM24502A |
|---------|----------|
| pin 5   | pin 123  |
| pin 4   | pin 124  |
| pin 2   | pin 126  |
| pin 1   | pin 127  |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DB24207 and DM24502A.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 865. LSCF ASG-R No Input from ELMS P210 Electronics Unit on Systems 629 Bus-R - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17703.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the CCU in P210, M24506.

This is the task:

Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (3) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R card to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24208, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ELMS P210 Electronics Unit to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-R to the coupler:
- (a) Remove the ASG-R card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31102 from the coupler B31102.
- (c) Do a wiring check between these pins of connector XA15 at the P85A15 slot and connector DB31102 at the P211 panel (SSM 31-09-12):

| <b>XA15</b>      | <b>DB31102</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31102.
  - 3) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DB31102.
  - 2) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring:
- (a) Disconnect connector DM24506A from the CCU, M24506, in the P210 power panel.
- (b) Disconnect connector DB24208 from the coupler B24208.

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- (c) Do a wiring check between these pins of connector DM24506A at the P210 power panel and connector DB24208 at the P211 panel (WDM 24-09-25):

| DB24208     | DM24506A |
|-------------|----------|
| pin 5 ..... | pin 123  |
| pin 4 ..... | pin 124  |
| pin 2 ..... | pin 126  |
| pin 1 ..... | pin 127  |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DB24208 and DM24506A.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ———— END OF TASK ————

#### 866. RSCF ASG-R No Input from ELMS P210 Electronics Unit on Systems 629 Bus-R - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17669.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the CCU in P210, M24506.

This is the task:

Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B24208, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the ELMS P210 Electronics Unit to the Systems 629 Bus-R.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R card to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-R to the coupler:
  - (a) Remove the ASG-R card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31202 from the coupler B31202.
  - (c) Do a wiring check between these pins of connector DP8406 at the P84A15 slot and connector DB31202 at the P211 panel (SSM 31-09-22):

| DP8406      | DB31202 |
|-------------|---------|
| pin 5 ..... | pin 5   |
| pin 4 ..... | pin 4   |
| pin 2 ..... | pin 2   |
| pin 1 ..... | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31202.
  - 3) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31202.
  - 2) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring:
  - (a) Disconnect connector D21009P from the P210 Power Management Panel, right.
  - (b) Disconnect connector DB24208 from the coupler B24208.
  - (c) Do a wiring check between these pins of connector D21009P at the P210 and connector DB24208 at the P211 panel (WDM 24-09-25):

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| DB24208     | D21009P |
|-------------|---------|
| pin 5 ..... | pin 5   |
| pin 4 ..... | pin 4   |
| pin 2 ..... | pin 2   |
| pin 1 ..... | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DB24208 and D21009P.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ———— END OF TASK ————

#### 867. LSCF ASG-R No Input from ELMS P310 Electronics Unit on Systems 629 Bus-R - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17670.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the CCU in P310, M24510.

This is the task:

Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R card to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24209, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ELMS P310 Electronics Unit to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-R to the coupler:
- (a) Remove the ASG-R card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (b) Disconnect connector DB31102 from the coupler B31102.
- (c) Do a wiring check between these pins of connector XA15 at the P85A15 slot and connector DB31102 at the P211 panel (SSM 31-09-12):

| <b>XA15</b>      | <b>DB31102</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31102.
  - 3) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DB31102.
  - 2) Re-install the ASG-R card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring:
- (a) Disconnect connector DM24510A from the CCU, M24510 in the P310 power panel.
- (b) Disconnect connector DB24209 from the coupler B24209.
- (c) Do a wiring check between these pins of connector DM24510A at the P310 power panel and connector DB24209 at the P211 panel (WDM 24-09-26):

| <b>DB24209</b>  | <b>DM24510A</b> |
|-----------------|-----------------|
| pin 5 . . . . . | pin 123         |
| pin 4 . . . . . | pin 124         |
| pin 2 . . . . . | pin 126         |
| pin 1 . . . . . | pin 127         |

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- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DB24209 and DM24510A.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 868. RSCF ASG-R No Input from ELMS P310 Electronics Unit on Systems 629 Bus-R - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17671.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P84A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the CCU in P310, M24510.

This is the task:

Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the ASG-R card to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24209, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ELMS P310 Electronics Unit to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-R to the coupler:
  - (a) Remove the ASG-R card, P84A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31202 from the coupler B31202.
  - (c) Do a wiring check between these pins of connector DP8406 at the P84A15 slot and connector DB31202 at the P211 panel (SSM 31-09-22):

| DP8406      | DB31202 |
|-------------|---------|
| pin 5 ..... | pin 5   |
| pin 4 ..... | pin 4   |
| pin 2 ..... | pin 2   |
| pin 1 ..... | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31202.
  - 3) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31202.
  - 2) Re-install the ASG-R card, P84A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring:
  - (a) Disconnect connector DM24510A from CCU, M24510, in the P310 power panel.
  - (b) Disconnect connector DB24209 from the coupler B24209.
  - (c) Do a wiring check between these pins of connector DM24510A at the P310 power panel and connector DB24209 at the P211 panel (WDM 24-09-26):

| DB24209     | DM24510A |
|-------------|----------|
| pin 5 ..... | pin 123  |
| pin 4 ..... | pin 124  |
| pin 2 ..... | pin 126  |
| pin 1 ..... | pin 127  |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DB24209 and DM24510A.

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- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**869. LSCF ASG-L No Input from ELMS P210 Electronics Unit on Systems 629 Bus-L - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-17500.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the left ARINC Signal Gateway (ASG) card, P85A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-L card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B24108, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ELMS P210 Electronics Unit to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do a check of the P210 panel CCU, M24506.

This is the task:

Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:
- (a) Remove the ASG-L card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31101 from the coupler B31101.
  - (c) Do a wiring check between these pins of connector XA12 at the P85A12 slot and connector DB31101 at the P111 panel (SSM 31-09-12):

| <b>XA12</b>  | <b>DB31101</b> |
|--------------|----------------|
| pin 10 ..... | pin 5          |
| pin 7 .....  | pin 4          |
| pin 9 .....  | pin 2          |
| pin 6 .....  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
    - 2) Re-connect connector DB31101.
    - 3) Re-install the ASG-L card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If you do not find a problem with the wiring, then continue.
    - 1) Re-connect connector DB31101.
    - 2) Re-install the ASG-L card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the ELMS system to the coupler:
- (a) Disconnect connector DM24506A from the CCU, M24506.
  - (b) Disconnect connector DB24108 from the coupler B24108.
  - (c) Do a wiring check between these pins of connector DM24506A at the CCU, and connector DB24108 at the P111 panel (WDM 24-09-25):

| <b>DB24108</b> | <b>DM24506A</b> |
|----------------|-----------------|
| pin 5 .....    | pin 2           |
| pin 4 .....    | pin 3           |
| pin 2 .....    | pin 5           |
| pin 1 .....    | pin 6           |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DB24108 and DM24506A.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

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### 870. RSCF ASG-L No Input from ELMS P210 Electronics Unit on Systems 629 Bus-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-17501.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the left ARINC Signal Gateway (ASG) card, P84A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the ASG-L card to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B24108, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the ELMS P210 Electronics Unit to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do a check of the P210 panel CCU, M24506.

This is the task:

Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-L to the coupler:
  - (a) Remove the ASG-L card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.

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- (b) Disconnect connector DB31201 from the coupler B31201.
- (c) Do a wiring check between these pins of connector XA12 at the P84A12 slot and connector DB31201 at the P111 panel (SSM 31-09-22):

| <b>XA12</b>  | <b>DB31201</b> |
|--------------|----------------|
| pin 10 ..... | pin 5          |
| pin 7 .....  | pin 4          |
| pin 9 .....  | pin 2          |
| pin 6 .....  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31201.
  - 3) Re-install the ASG-L card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-connect connector DB31201.
  - 2) Re-install the ASG-L card, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the ELMS system to the coupler:
  - (a) Disconnect connector DM24506A from the CCU, M24506.
  - (b) Disconnect connector DB24108 from the coupler B24108.
  - (c) Do a wiring check between these pins of connector DM24506A at the CCU, and connector DB24108 at the P111 panel (WDM 24-09-25):

| <b>DM24108</b> | <b>DM24506A</b> |
|----------------|-----------------|
| pin 5 .....    | pin 2           |
| pin 4 .....    | pin 3           |
| pin 2 .....    | pin 5           |
| pin 1 .....    | pin 6           |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DM24108 and DM24506A.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

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## 777-200/300 FAULT ISOLATION MANUAL

### 805. Captain's Pushbutton Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-80181.

#### B. Description

Left AIMS analog input signals from Captain's clock pushbutton (left) are invalid.

#### C. Possible Causes

Wiring

Captain's clock pushbutton (S31100)

IOM (M003) in Left AIMS

#### D. Related Data

WDM 31-25

SSM 31-25

#### E. Initial Evaluation

- (1) Do this task: Clocks - System Test, AMM TASK 31-25-00-730-802
- (2) If the Captain's clock pushbutton does not operate correctly, do the Fault Isolation Procedure.

#### F. Fault Isolation Procedure

- (1) Do these steps to check the wiring.
  - (a) Remove the Captain's clock pushbutton, S31100 (WDM 31-25-11).
  - (b) Remove IOM (M003) in the left AIMS cabinet, M31101. To remove it, do this task: (AIMS LRM Removal, AMM TASK 31-41-00-000-801).
  - (c) Do a wiring check between these pins of connector D6626 at the left AIMS cabinet on the E2-1 shelf and the Captain's clock pushbutton, S31100 at the glareshield panel, P7:

##### D6626

##### S31100

pin 3 ..... pin 57

pin 4 ..... pin 58

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Do this task: Clocks - System Test, AMM TASK 31-25-00-730-802
    - a) If the Captain's clock pushbutton operates correctly, you corrected the problem.
    - b) If the problem continues replace the Captain's clock pushbutton, S31100 and AIMS IOM (M003) in the left AIMS cabinet, M31101.

#### G. Repair Confirmation

- (1) Do this task: Clocks - System Test, AMM TASK 31-25-00-730-802
  - (a) If the Captain's clock pushbutton operates correctly, you corrected the problem.

————— **END OF TASK** —————

### 806. First Officer's Pushbutton Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-80182.

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### B. Description

Right AIMS analog input signals from First Officer's clock pushbutton (right) are invalid.

### C. Possible Causes

Wiring

First Officer's clock pushbutton (S31200)

IOM (M003) in Right AIMS

### D. Related Data

WDM 31-25

SSM 31-25

### E. Initial Evaluation

- (1) Do this task: Clocks - System Test, AMM TASK 31-25-00-730-802
- (2) If the First Officer's clock pushbutton does not operate correctly, do the Fault Isolation Procedure.

### F. Fault Isolation Procedure

- (1) Do these steps to check the wiring.
  - (a) Remove the First Officer's clock pushbutton, S31200 (WDM 31-25-11).
  - (b) Remove IOM (M003) in the right AIMS cabinet, M31201. To remove it, do this task: (Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801).
  - (c) Do a wiring check between these pins of connector D6726 at the right AIMS cabinet on the E2-1 shelf and the First Officer's clock pushbutton, S31100 at the glareshield panel, P7:

| D6726       | S31200 |
|-------------|--------|
| pin 3 ..... | pin 57 |
| pin 4 ..... | pin 58 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Do this task: Clocks - System Test, AMM TASK 31-25-00-730-802
    - a) If the First Officer's clock pushbutton operates correctly, you corrected the problem.
    - b) If the problem continues replace the First Officer's clock pushbutton, S31100 and AIMS IOM, S31101.

### G. Repair Confirmation

- (1) Do this task: Clocks - System Test, AMM TASK 31-25-00-730-802
  - (a) If the First Officer's clock pushbutton operates correctly, you corrected the problem.

————— END OF TASK —————

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### 801. Relay (Flt Rec AC PWR RLY) in P210 Not Commanded - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-20201, 31-20202.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the FLT REC AC circuit breaker on the P210 right power management panel.  
These are the tasks:  
Circuit Breaker - Removal, AMM TASK 24-09-00-000-818-002,  
Circuit Breaker - Installation, AMM TASK 24-09-00-400-814-002.
  - (a) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the FLT REC DC circuit breaker on the P210 right power management panel.  
These are the tasks:  
Circuit Breaker - Removal, AMM TASK 24-09-00-000-818-002,  
Circuit Breaker - Installation, AMM TASK 24-09-00-400-814-002.
  - (a) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (3) Replace the flight recorder power control relay, K31002, on the P210 right power management panel.
  - (a) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (4) Replace the ELMS Signal Interface Unit 1, M24508, in the P210 right power management panel.  
These are the tasks:  
Signal Interface Unit - Removal, AMM TASK 24-09-00-000-814-002

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Signal Interface Unit - Installation, AMM TASK 24-09-00-400-810-002

- (a) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (5) Check the Computing and Communications Unit, M24506, in the P210 right power management panel.

This is the task:

Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002

- (a) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (6) Do this check of the wiring:
- (a) Remove the flight data recorder, M31035. To remove it, do this task: Flight Data Recorder Removal, AMM TASK 31-31-01-000-801.
  - (b) Do a wiring check between these pins of connector DK31002 at the flight recorder power control relay and connector DM31035AA at the flight data recorder (WDM 31-31-11):

**DK31002**

**DM31035AA**

pin A1 . . . . . pin 1

- (c) If you find a problem in the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the flight data recorder, M31035. To install it, do this task: Flight Data Recorder Installation, AMM TASK 31-31-01-400-801.
  - 3) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - 4) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

### 802. AIMS-L Software Configuration Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-20051.

#### **B. Fault Isolation Procedure**

- (1) Do a check of the system configuration for this system on the MAT: 31 AIMS - Left AIMS.
  - (a) Find this line replaceable module (LRM) on the display and make sure that the software part number is correct:
    - 1) CPM/Comm, M001, in Left AIMS
- (2) If the part number is incorrect, install software in the LRM in the left AIMS cabinet:

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- (a) Do this task: Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804.
- (3) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, CPM/Comm (M001) in Left AIMS Module Reset.  
NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.
- (4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 803. DFDAF in AIMS-L Internal Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-20031, 31-51151.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/Comm (M001), in the left AIMS, M31101.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 804. DFDAF in AIMS-L Internal Software Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-20061, 31-51153.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, CPM/Comm (M001) in Left AIMS Module Reset.

NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 805. DFDAF in AIMS-L Internal Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51351.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/STD (M002) in the left AIMS, M31101.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

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Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 806. DFDAF in AIMS-L Internal Software Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51353.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/STD (M002) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 807. DFDAF in AIMS-L Internal Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51551.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/GG (M010) in the left AIMS, M31101.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 808. DFDAF in AIMS-L Internal Software Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51553.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG (M010) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 809. DFDAF in AIMS-L Internal Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51751.

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### B. Fault Isolation Procedure

- (1) Replace the CPM/GG (M011) in the left AIMS, M31101.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 810. DFDAF in AIMS-L Internal Software Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51753.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG (M011) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 811. DFDAF in AIMS-R Internal Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-20032, 31-51152.

#### B. Maintenance Messages

- (1) This task is for maintenance messages: 31-20032 or 31-51152

#### C. Initial Evaluation

- (1) When both the L and R DFDAF faults indicate:
  - (a) Do this ground test on the MAT: Flight Data Recorder System - Operational Test, AMM TASK 31-31-00-710-801
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Below.

#### D. Fault Isolation Procedure

- (1) Replace the CPM/Comm (M001) in the right AIMS, M31201.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 812. DFDAF in AIMS-R Internal Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51352.

#### B. Fault Isolation Procedure

- (1) Replace the module that is installed in the M002 slot in the right AIMS cabinet: the CPM/STD (M002).

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 813. DFDAF in AIMS-R Internal Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51552.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/GG (M010) in the right AIMS, M31201.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 814. DFDAF in AIMS-R Internal Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51752.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/GG (M011) in the right AIMS, M31201.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 815. DFDAF in AIMS-R Internal Software Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-20062, 31-51154.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm (M001) in Right AIMS Module Reset.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 816. DFDAF in AIMS-R Internal Software Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51354.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/STD (M002) in Right AIMS Reset.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 817. DFDAF in AIMS-R Internal Software Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51554.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG (M010) in Right AIMS Module Reset.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 818. DFDAF in AIMS-R Internal Software Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51754.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG (M011) in Right AIMS Module Reset.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

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### 819. DFDAF AIMS-L and AIMS-R S/W Configuration Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-20040.

#### B. Fault Isolation Procedure

- (1) Do a check of the system configuration for this system on the MAT: 31 AIMS - Left AIMS.
  - (a) Find this line replaceable module (LRM) on the display and make sure that the software part number is correct:
    - 1) CPM/Comm, M001, in Left AIMS
- (2) If the part number is incorrect, install software in the LRM in the left AIMS cabinet:
  - (a) Do this task: Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804.
- (3) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, CPM/Comm (M001) in Left AIMS Module Reset.

**NOTE:** The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do a check of the system configuration for this system on the MAT: 31 AIMS - Right AIMS.
  - (a) Find this line replaceable module (LRM) on the display and make sure that the software part number is correct:
    - 1) CPM/Comm, M001, in Right AIMS
- (5) If the part number is incorrect, install software in the LRM in the right AIMS cabinet:
  - (a) Do this task: Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804.
- (6) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm (M001) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 820. DFDAF in AIMS-R Incorrect Software - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-20052.

#### B. Fault Isolation Procedure

- (1) Do a check of the system configuration for this system on the MAT: 31 AIMS - Right AIMS.
  - (a) Find this line replaceable module (LRM) on the display and make sure that the software part number is correct:
    - 1) CPM/Comm, M001, in Right AIMS
- (2) If the part number is incorrect, install software in the LRM in the right AIMS cabinet:
  - (a) Do this task: Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804.

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- (3) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm (M001) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 821. Flight Recorder Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-20020, 31-20070.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the flight data recorder, M31035, in the E7 equipment rack.

These are the tasks:

Flight Data Recorder Removal, AMM TASK 31-31-01-000-801,  
Flight Data Recorder Installation, AMM TASK 31-31-01-400-801.

  - (a) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the flight data recorder, M31035. To remove it, do this task: Flight Data Recorder Removal, AMM TASK 31-31-01-000-801.
  - (b) Remove the IOM (M003) in the left AIMS cabinet, M31101. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Remove the IOM (M004) in the left AIMS cabinet, M31101. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (d) Remove the IOM (M003) in the right AIMS cabinet, M31201. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (e) Remove the IOM (M004) in the right AIMS cabinet, M31201. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (f) Do a wiring check between these pins of connector J240-A at the left AIMS cabinet, M31101, in the E3-1 shelf and connector DM31035AA at the flight data recorder (WDM 31-31-11):

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| <b>J240-A</b> | <b>DM31035AA</b> |
|---------------|------------------|
| pin E10 ..... | pin 22           |
| pin E6 .....  | pin 21           |

- (g) Do a wiring check between these pins of connector J250-A at the left AIMS cabinet, M31101, in the E3-1 shelf and connector DM31035AA at the flight data recorder (WDM 31-31-11):

| <b>J250-A</b> | <b>DM31035AA</b> |
|---------------|------------------|
| pin E10 ..... | pin 22           |
| pin E6 .....  | pin 21           |

- (h) Do a wiring check between these pins of connector J240-A at the right AIMS cabinet, M31201, in the E2-1 shelf and connector DM31035AA at the flight data recorder (WDM 31-31-11):

| <b>J240-A</b> | <b>DM31035AA</b> |
|---------------|------------------|
| pin E10 ..... | pin 22           |
| pin E6 .....  | pin 21           |

- (i) Do a wiring check between these pins of connector J250-A at the right AIMS cabinet, M31201, in the E2-1 shelf and connector DM31035AA at the flight data recorder (WDM 31-31-11):

| <b>J250-A</b> | <b>DM31035AA</b> |
|---------------|------------------|
| pin E10 ..... | pin 22           |
| pin E6 .....  | pin 21           |

- (j) If you find a problem in the wiring, then do these steps:

- 1) Repair the wiring.
  - 2) Re-install the flight data recorder, M31035. To install it, do this task: Flight Data Recorder System - System Test, AMM TASK 31-31-00-730-801.
  - 3) Re-install the IOM (M003) in the left AIMS cabinet, M31101. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) Re-install the IOM (M004) in the left AIMS cabinet, M31101. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 5) Re-install the IOM (M003) in the right AIMS cabinet, M31201. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 6) Re-install the IOM (M004) in the right AIMS cabinet, M31201. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 7) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - 8) If the maintenance message does not show on the ground test display, you corrected the fault.
  - 9) If the maintenance message show on the ground test display, then continue.
- (3) Do a check of the system configuration for this system on the MAT: 31 AIMS - Left AIMS.
- (4) Do a check of the system configuration for this system on the MAT: 31 AIMS - Left AIMS.

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- (a) If the OPC software P/Ns are different for the left and right AIMS cabinets, install OPC software, do this task: Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804.
- (b) Use the table below to determine which FDR dataframe rate is supported by which OPC software P/N:

| FDR dataframe rate | CPM/Comm P/N            |
|--------------------|-------------------------|
| 128 wps            | 4075450-902 4075450-903 |
| 256 wps            | 4075450-903             |
| 1024 wps           | 4089450-901             |

- (5) Use the WDM 31-31-11 to check the FDR dataframe rate configured by the airplane wiring.
  - (a) If pin 17 of connector DM31035AA is grounded, then the FDR recording rate is 256 WPS.
  - (b) If pin 18 of connector DM31035AA is grounded, then the FDR recording rate is 128 WPS.
  - (c) If both pins 17 and 18 of connector DM31035AA are not grounded, then the FDR recording rate is 1024 WPS.
- (6) If the OPC software P/N installed in the left and right AIMS cabinets do not support the airplane dataframe rate, install OPC software, do this task: Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804.
- (7) If the the AIMS OPC software dataframe setting is incorrect, please contact Boeing for instructions on how to reset the AIMS OPC dataframe setting.
- (8) If the wiring is incorrect, make the appropriate wiring changes to set the correct the dataframe rate.
- (9) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - (a) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

### 822. DFDAF in AIMS-L No CMCF IN - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-21001.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/Comm (M001) in the left AIMS, M31101.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then you corrected the fault.

————— END OF TASK —————

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**823. DFDAF in AIMS-R No CMCF IN - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-21004.

**B. Fault Isolation Procedure**

- (1) Replace the CPM/Comm (M001) in the right AIMS, M31201.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**824. DFDAF in AIMS-L No Input on System 629 Bus (left) - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-29403.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground display, you corrected the fault.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground display, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the IOM (M009) in the left AIMS, M31101.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.
- (2) Do a check of the Computing and Communications Unit, M24506, in the ELMS P210 panel.
- This is the task:

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Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show) on the existing faults display, you corrected the fault.

**NOTE:** Wait up to 5 minutes, or until the maintenance message shows, after there is power to the ELMS panel before you read the status of the maintenance message from the MAT.

- (b) If the maintenance message shows on the ground test display, then continue.

- (3) Replace the ARINC 629 coupler, B31112, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the IOM to the System 629 Bus-L.

- (a) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.

- (b) If the maintenance message does not show on the ground test display, you corrected the fault.

- (c) If the maintenance message shows on the ground test display, then continue.

- (4) Replace the ARINC 629 coupler, B24108, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the electronics unit to the System 629 Bus-L.

- (a) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.

- (b) If the maintenance message does not show on the ground test display, you corrected the fault.

- (c) If the maintenance message shows on the ground test display, then continue.

- (5) Do this check of the wiring from the IOM to the coupler:

- (a) Remove the IOM, M009 in the left AIMS cabinet, M31101. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.

- (b) Disconnect connector DB31112 from the coupler, B31112.

- (c) Do a wiring check between these pins of connector J420-B at the left AIMS cabinet, M31101, in the E3-1 shelf and connector DB31112 at the P111 panel (WDM 23-91-11)(WDM 31-41-25):

| <b>J420-B</b> | <b>DB31112</b> |
|---------------|----------------|
| pin G3        | pin 5          |
| pin G4        | pin 4          |
| pin G1        | pin 2          |
| pin G2        | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:

- 1) Replace the ARINC 629 wiring (SWPM 20-12-11).
- 2) Re-connect connector DB31112.

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- 3) Re-install the IOM, M009, in the E3-1 shelf. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
- 5) If the maintenance message does not show on the ground test display, you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (6) Do this check of the wiring from the computing and communications unit to the coupler:
  - (a) Remove the computing and communications unit (CCU), M24506, in the P210 panel. To remove it, do this task: Computing and Communications Unit - Removal, AMM TASK 24-09-00-000-815-002.
  - (b) Disconnect connector DB24108 from the coupler, B24108.
  - (c) Do a wiring check between these pins of connector D21008 at the CCU P210 panel and connector DB24108 at the P111 panel (WDM 23-91-11)(WDM 24-09-25):

| D21008          | DB24108 |
|-----------------|---------|
| pin 5 . . . . . | pin 5   |
| pin 4 . . . . . | pin 4   |
| pin 2 . . . . . | pin 2   |
| pin 1 . . . . . | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-12-11).
  - 2) Re-connect connector DB24108.
  - 3) Re-install the computing and communications unit (CCU), M24506, in the P210 panel. To install it, do this task: Computing and Communications Unit - Installation, AMM TASK 24-09-00-400-811-002.
  - 4) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - 5) If the maintenance message does not show on the ground test, you corrected the fault.

————— **END OF TASK** —————

### 825. DFDAF in AIMS-R No Input on System 629 Bus (left) - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-29404.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground display, then there was an intermittent fault

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### C. Fault Isolation Procedure

- (1) Replace the IOM (M009) in the right AIMS, M31201.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31116, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the IOM to the System 629 Bus-L.

- (a) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.
- (3) Replace the ARINC 629 coupler, B24108, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the electronics unit to the System 629 Bus-L.

- (a) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.
- (4) Do this check of the wiring from the IOM to the coupler:
- (a) Remove the IOM (M009) in the right AIMS cabinet, M31201. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Disconnect connector DB31116 from the coupler, B31116.
- (c) Do a wiring check between these pins of connector J420-B at the right AIMS cabinet, M31201, in the E2-1 shelf and connector DB31116 at the P111 panel (WDM 23-91-11)(WDM 31-41-26):

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| J420-B       | DB31116 |
|--------------|---------|
| pin G3 ..... | pin 5   |
| pin G4 ..... | pin 4   |
| pin G1 ..... | pin 2   |
| pin G2 ..... | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-12-11).
  - 2) Re-connect connector DB31116.
  - 3) Re-install the IOM (M009) in the E2-1 shelf. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - 5) If the maintenance message does not show on the ground test display, you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (5) Do this check of the wiring from the computing and communications unit to the coupler:
- (a) Remove the computing and communications unit (CCU), M24506, in the P210 panel. To remove it, (Computing and Communications Unit - Removal, AMM TASK 24-09-00-000-815-002).
  - (b) Disconnect connector DB24108 from the coupler, B24108.
  - (c) Do a wiring check between these pins of connector D21008 at the CCU P210 panel and connector DB24108 at the P111 panel (WDM 23-91-11)(WDM 24-09-25):

| D21008      | DB24108 |
|-------------|---------|
| pin 5 ..... | pin 5   |
| pin 4 ..... | pin 4   |
| pin 2 ..... | pin 2   |
| pin 1 ..... | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-12-11).
  - 2) Re-connect connector DB24108.
  - 3) Re-install the computing and communications unit (CCU), M24506, in the P210 panel. To install it, do this task: Computing and Communications Unit - Installation, AMM TASK 24-09-00-400-811-002.
  - 4) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - 5) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

### 826. DFDAF in AIMS-L No Input on System 629 Bus (right) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-29405.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground display, you corrected the fault.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM (M004) in the left AIMS, M31101.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31211, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the IOM to the System 629 Bus-R.

- (a) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (3) Replace the ARINC 629 coupler, B24208, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the electronics unit to the System 629 Bus-R.

- (a) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.

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- (c) If the maintenance message shows on the ground test display, then continue.
- (4) Do this check of the wiring from the IOM to the coupler:
- (a) Remove the IOM (M004) in the left AIMS cabinet, M31101. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31211 from the coupler, B31211.
  - (c) Do a wiring check between these pins of connector J250-B at the left AIMS cabinet, M31101, in the E3-1 shelf and connector DB31211 at the P211 panel (WDM 23-91-11)(WDM 31-41-25):
- | <b>J250-B</b> | <b>DB31211</b> |
|---------------|----------------|
| pin G3 .....  | pin 5          |
| pin G4 .....  | pin 4          |
| pin G1 .....  | pin 2          |
| pin G2 .....  | pin 1          |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-12-11).
  - 2) Re-connect connector DB31211.
  - 3) Re-install the IOM (M004) in the E3-1 shelf. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) Do this ground test on the MAT: 31 AIMS Flight Data Recorder, System Test, Flight Data Recorder System.
  - 5) If the maintenance message does not show on the ground test display, you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (5) Do this check of the wiring from the computing and communications unit to the coupler:
- (a) Remove the computing and communications unit (CCU), M24506, in the P210 panel. To remove it, do this task: Computing and Communications Unit - Removal, AMM TASK 24-09-00-000-815-002.
  - (b) Disconnect connector DB24208 from the coupler, B24208.
  - (c) Do a wiring check between these pins of connector D21009 at the CCU P210 panel and connector DB24208 at the P211 panel (WDM 23-91-11)(WDM 24-09-25):

| <b>D21009</b> | <b>DB24208</b> |
|---------------|----------------|
| pin 5 .....   | pin 5          |
| pin 4 .....   | pin 4          |
| pin 2 .....   | pin 2          |
| pin 1 .....   | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-12-11).
  - 2) Re-connect connector DB24208.
  - 3) Re-install the computing and communications unit (CCU), M24506, in the P210 panel. To install it, do this task: Computing and Communications Unit - Installation, AMM TASK 24-09-00-400-811-002.

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- 4) Do this ground test on the MAT: 31 AIMS Flight Data Recorder, System Test, Flight Data Recorder System.
- 5) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

### 827. DFDAF in AIMS-R No Input on System 629 Bus (right) - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-29406.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM (M004) in the right AIMS, M31201.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31214, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the IOM to the System 629 Bus-R.

- (a) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (3) Replace the ARINC 629 coupler, B24208, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the electronics unit to the System 629 Bus-R.

- (a) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.
- (4) Do this check of the wiring from the IOM to the coupler:
  - (a) Remove the IOM (M004) in the right AIMS cabinet, M31201. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31214 from the coupler, B31214.
  - (c) Do a wiring check between these pins of connector J250-B at the right AIMS cabinet, M31201, in the E2-1 shelf and connector DB31214 at the P211 panel (WDM 23-91-11)(WDM 31-41-26):

| <b>J250-B</b>    | <b>DB31214</b> |
|------------------|----------------|
| pin G3 . . . . . | pin 5          |
| pin G4 . . . . . | pin 4          |
| pin G1 . . . . . | pin 2          |
| pin G2 . . . . . | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-12-11).
  - 2) Re-connect connector DB31214.
  - 3) Re-install the IOM (M004) in the E2-1 shelf. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - 5) If the maintenance message does not show on the ground test display, you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (5) Do this check of the wiring from the computing and communications unit to the coupler:
  - (a) Remove the computing and communications unit (CCU), M24506, in the P210 panel. To remove it, (Computing and Communications Unit - Removal, AMM TASK 24-09-00-000-815-002).
  - (b) Disconnect connector DB24208 from the coupler, B24208.
  - (c) Do a wiring check between these pins of connector D21009 at the CCU P210 panel and connector DB24208 at the P211 panel (WDM 23-91-11)(WDM 24-09-25):

| <b>D21009</b>   | <b>DB24208</b> |
|-----------------|----------------|
| pin 5 . . . . . | pin 5          |
| pin 4 . . . . . | pin 4          |
| pin 2 . . . . . | pin 2          |
| pin 1 . . . . . | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:

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- 1) Replace the ARINC 629 wiring (SWPM 20-12-11).
- 2) Re-connect connector DB24208.
- 3) Re-install the computing and communications unit (CCU), M24506, in the P210 panel. To install it, do this task: Computing and Communications Unit - Installation, AMM TASK 24-09-00-400-811-002.
- 4) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
- 5) If the maintenance message does not show on the ground test display, you corrected the fault.

### END OF TASK

#### 828. DFDAF AIMS-R No Input from CMCF in AIMS-L 629 Bus 3 and 4 - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-21002.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, CPM/Comm(M001) in Left AIMS Module Reset.

NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Make these selections on the MAT to put the left CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO LEFT.
  - (a) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
  - (3) Make these selections on the MAT to put the left CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO LEFT.
    - (a) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
      - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
      - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
    - (4) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.

NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Make these selections on the MAT to put the right CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO RIGHT.
  - (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 829. DFDAF AIMS-L No Input from CMCF in AIMS-R 629 Bus 3 and 4 - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-21003.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm(M001) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Make these selections on the MAT to put the right CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO RIGHT.
  - (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Make these selections on the MAT to put the right CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO RIGHT.
  - (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (5) Make these selections on the MAT to put the left CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO LEFT.
  - (a) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.

NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.

- 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 830. Flight Recorder Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-20000.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the flight data recorder, M31035, in the E7 equipment rack.

These are the tasks:

Flight Data Recorder Removal, AMM TASK 31-31-01-000-801,  
Flight Data Recorder Installation, AMM TASK 31-31-01-400-801.

  - (a) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the flight data recorder, M31035. To remove it, do this task: Flight Data Recorder Removal, AMM TASK 31-31-01-000-801.
  - (b) Remove the IOM (M003) in the left AIMS cabinet, M31101. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Remove the IOM (M004) in the left AIMS cabinet, M31101. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (d) Remove the IOM (M003) in the right AIMS cabinet, M31201. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (e) Remove the IOM (M004) in the right AIMS cabinet, M31201. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (f) Do a wiring check between these pins of connector J240-A at the left AIMS cabinet, M31101, in the E3-1 shelf and connector DM31035AA at the flight data recorder (WDM 31-31-11):

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| <b>J240-A</b> | <b>DM31035AA</b> |
|---------------|------------------|
| pin E10 ..... | pin 22           |
| pin E6 .....  | pin 21           |

- (g) Do a wiring check between these pins of connector J250-A at the left AIMS cabinet, M31101, in the E3-1 shelf and connector DM31035AA at the flight data recorder (WDM 31-31-11):

| <b>J250-A</b> | <b>DM31035AA</b> |
|---------------|------------------|
| pin E10 ..... | pin 22           |
| pin E6 .....  | pin 21           |

- (h) Do a wiring check between these pins of connector J240-A at the right AIMS cabinet, M31201, in the E2-1 shelf and connector DM31035AA at the flight data recorder (WDM 31-31-11):

| <b>J240-A</b> | <b>DM31035AA</b> |
|---------------|------------------|
| pin E10 ..... | pin 22           |
| pin E6 .....  | pin 21           |

- (i) Do a wiring check between these pins of connector J250-A at the right AIMS cabinet, M31201, in the E2-1 shelf and connector DM31035AA at the flight data recorder (WDM 31-31-11):

| <b>J250-A</b> | <b>DM31035AA</b> |
|---------------|------------------|
| pin E10 ..... | pin 22           |
| pin E6 .....  | pin 21           |

- (j) If you find a problem in the wiring, then do these steps:

- 1) Repair the wiring.
- 2) Re-install the flight data recorder, M31035. To install it, do this task: Flight Data Recorder System - System Test, AMM TASK 31-31-00-730-801.
- 3) Re-install the IOM (M003) in the left AIMS cabinet, M31101. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) Re-install the IOM (M004) in the left AIMS cabinet, M31101. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 5) Re-install the IOM (M003) in the right AIMS cabinet, M31201. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 6) Re-install the IOM (M004) in the right AIMS cabinet, M31201. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 7) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
- 8) If the maintenance message does not show on the ground test display, you corrected the fault.

———— **END OF TASK** ————

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### 831. DFDAF AIMS-L No Input from DFDAF in AIMS-R 629 Bus 1 and 2 - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-21011.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm(M001) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Make these selections on the MAT to put the right CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO RIGHT.
  - (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Make these selections on the MAT to put the right CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO RIGHT.
  - (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Make these selections on the MAT to put the left CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO LEFT.
  - (a) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 832. DFDAF AIMS-R No Input from DFDAF in AIMS-L 629 Bus 1 and 2 - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-21012.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, CPM/Comm(M001) in Left AIMS Module Reset.  
NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Make these selections on the MAT to put the left CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO LEFT.
  - (a) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Make these selections on the MAT to put the left CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO LEFT.
  - (a) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.  
NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Make these selections on the MAT to put the right CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO RIGHT.
  - (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

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### 833. Flight Recorder Status Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-20080.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the flight data recorder, M31035, in the E7 equipment rack.  
These are the tasks:  
Flight Data Recorder Removal, AMM TASK 31-31-01-000-801,  
Flight Data Recorder Installation, AMM TASK 31-31-01-400-801.
  - (a) Do this ground test on the MAT: 31 AIMS Flight Data Recorder System, System Test, Flight Data Recorder System.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the flight data recorder, M31035. To remove it, do this task: Flight Data Recorder Removal, AMM TASK 31-31-01-000-801.
  - (b) Remove the IOM (M003) in the left AIMS cabinet, M31101. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Remove the IOM (M004) in the left AIMS cabinet, M31101. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (d) Remove the IOM (M003) in the right AIMS cabinet, M31201. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (e) Remove the IOM (M004) in the right AIMS cabinet, M31201. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (f) Do a wiring check between these pins of connector J240-A at the left AIMS cabinet, M31101, in the E3-1 shelf and connector DM31035AA at the flight data recorder (WDM 31-31-11):

**J240-A**

**DM31035AA**

pin E6 . . . . . pin 21

- (g) Do a wiring check between these pins of connector J250-A at the left AIMS cabinet, M31101, in the E3-1 shelf and connector DM31035AA at the flight data recorder (WDM 31-31-11):

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- (2) If the OPC software P/Ns are different for the left and right AIMS cabinets, install OPC software, do this task: Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804.
  - (a) Make sure the OPC software to be installed supports the dataframe rate of the flight data recorder installed.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 835. DFDAF in Left AIMS has Incorrect OPC Configuration - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-20046.

#### B. Fault Isolation Procedure

- (1) Do a check of the system configuration for this system on the MAT: 31 AIMS - Left AIMS.
  - (a) Find this line replaceable module (LRM) on the display and check the part number.
    - 1) CPM/Comm (M001) in Left AIMS
    - 2) Make sure the CPM/Comm installed supports the dataframe rate of the flight data recorder as listed in the table:

| FDR dataframe rate | CPM/Comm P/N               |
|--------------------|----------------------------|
| 128 wps            | 4075450-902<br>4075450-903 |
| 256 wps            | 4075450-903                |
| 1024 wps           | 4089450-901                |

- (2) If the CPM/Comm installed do not support the FDR dataframe rate, then replace the CPM/Comm (M001) in the left AIMS, M31101.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 836. DFDAF in Right AIMS has Incorrect OPC Configuration - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-20047.

#### B. Fault Isolation Procedure

- (1) Do a check of the system configuration for this system on the MAT: 31 AIMS - Right AIMS.
  - (a) Find this line replaceable module (LRM) on the display and check the part number.
    - 1) CPM/Comm (M001) in Right AIMS

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- 2) Make sure the CPM/Comm installed can support the dataframe rate of the flight data recorder as listed in the table:

| FDR dataframe rate | CPM/Comm P/N               |
|--------------------|----------------------------|
| 128 wps            | 4075450-902<br>4075450-903 |
| 256 wps            | 4075450-903                |
| 1024 wps           | 4089450-901                |

- (2) If the CPM/Comm installed do not support the FDR dataframe rate, then replace the CPM/Comm (M001) in the right AIMS, M31101.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

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### 801. Printer Output Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-31891.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the flight compartment printer, M31004.

These are the tasks:

Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801,

Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring between the printer and the left AIMS cabinet:
  - (a) Remove the flight compartment printer, M31004. To remove it, do this task: Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801.
  - (b) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DM31004A in the aisle stand (WDM 31-33-11) and IOM connector J420-B in the E3-1 shelf (SSM 31-41-03):

#### DM31004A

pin S . . . . . pin A4  
pin T . . . . . pin B4

#### J420-B

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the flight compartment printer, M31004. To install it, do this task: Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.
  - 3) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (e) If you do not find a problem with the wiring, then re-install the IOM(M009) in the left AIMS cabinet and continue. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (3) Do this check of the wiring between the printer and the right AIMS cabinet:
- Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - Do a wiring check between these pins of connector DM31004A in the aisle stand (WDM 31-33-11) and IOM connector J420-B in the E2-1 shelf (SSM 31-41-06):

| DM31004A        | J420-B |
|-----------------|--------|
| pin S . . . . . | pin A4 |
| pin T . . . . . | pin B4 |

- If you find a problem with the wiring, then do these steps:
  - Repair the wiring.
  - Re-install the flight compartment printer, M31004. To install it, do this task: Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.
  - Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

## 802. Printer No Input from AIMS-L on DCMF-L 429 BUS - Fault Isolation

### A. Maintenance Messages

- This task is for maintenance message: 31-39903.

### B. Initial Evaluation

- If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- Replace the flight compartment printer, M31004. These are the tasks:
  - Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801
  - Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801
  - If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - If the MAT shows ACTIVE for the maintenance message, then continue.
- Replace the IOM (M009) module in the left AIMS cabinet. These are the tasks:
  - Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
  - If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
- Remove the flight compartment printer, M31004. To remove it, do this task: Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801.
  - Remove the IOM (M009) module from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - Do a wiring check between these pins of connector J420-A at the left AIMS cabinet on the E3-1 shelf and connector DM31004A at the flight compartment printer (WDM 23-27-11).
- | J420-A            | DM31004A |
|-------------------|----------|
| pin F13 . . . . . | pin JJ   |
| pin G14 . . . . . | pin PP   |
- (d) If you find a problem with the wiring, then do these steps:
- Repair the wiring.
  - Re-install the IOM (M009) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - Re-install the flight compartment printer, M31004. To install it, do this task: Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.
  - If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (4) Replace the left EU(N46103). These are the tasks:
- Electronic Unit Removal, AMM TASK 46-11-03-000-801
  - Electronic Unit Installation, AMM TASK 46-11-03-400-801
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

————— **END OF TASK** —————

### 803. Printer No Input from AIMS-R on DCMF-R 429 BUS - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-39905.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the flight compartment printer, M31004. These are the tasks:
- Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801

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- Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M009) module in the right AIMS cabinet. These are the tasks:
  - Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the flight compartment printer, M31004. To remove it, do this task: Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801.
  - (b) Remove the IOM (M009) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector J420-A at the right AIMS cabinet on the E2-1 shelf (SSM 31-41-06) and connector DM31004A at the flight compartment printer (WDM 23-27-12).

|                   |                 |
|-------------------|-----------------|
| <b>J420-A</b>     | <b>DM31004A</b> |
| pin F13 . . . . . | pin Y           |
| pin G14 . . . . . | pin Z           |
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM (M009) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the flight compartment printer, M31004. To install it, do this task: Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (4) Replace the right EU(N46202). These are the tasks:
  - Electronic Unit Removal, AMM TASK 46-11-03-000-801
  - Electronic Unit Installation, AMM TASK 46-11-03-400-801
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

————— **END OF TASK** —————

### 804. Printer No Input from AIMS-L on CMCS-L 429 BUS - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-39907.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the flight compartment printer, M31004.

These are the tasks:

Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801,

Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M009) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the flight compartment printer, M31004. To remove it, do this task: Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801.
  - (b) Remove the IOM (M009) module from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector J420-A at the left AIMS cabinet on the E3-1 shelf (SSM 31-41-03) and connector DM31004A at the flight compartment printer (WDM 45-45-11).

#### J420-A

|         |       |       |
|---------|-------|-------|
| pin F11 | ..... | pin K |
| pin G12 | ..... | pin M |

#### DM31004A

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM (M009) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the flight compartment printer, M31004. To install it, do this task: Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 805. Printer Configuration Problem - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-30003.

#### B. Fault Isolation Procedure

##### ARO 001-014

- (1) Do a check of the part number for the software that is loaded in the flight compartment printer:
  - (a) Push the TEST button on the flight compartment printer.
  - (b) Look at the printed page.
    - 1) Make sure that the software part numbers for OPSA and DB are correct.
  - (c) If the software part numbers are not there or are not correct, do this task: Flight Compartment Printer Software Installation, AMM TASK 31-33-01-400-802.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
  - (d) If the software part numbers are correct, then continue.

##### ARO ALL

- (2) Replace the flight compartment printer, M31004.

These are the tasks:  
Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801,  
Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 806. Printer Internal Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-30001.

#### B. Possible Causes

- (1) Printer, M31004.

#### C. Initial Evaluation

NOTE: This message can occur when there is no failure of the printer.

- (1) Push the RESET switch on the printer.
  - (a) Wait for approximately 1 minute.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Examine the MAT for maintenance message 31-30001

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- (a) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure that follows.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then no maintenance action is necessary.

### D. Fault Isolation Procedure

- (1) Replace the flight compartment printer, M31004. These are the tasks: (Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801, and Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801).
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

## 807. Flight Deck Printer Fault - Fault Isolation

### A. Description

#### ARO 001-010; ARO 011-013 PRE SB 777-46-0066

- (1) Use this task when Fault Code 46-120 (Flight Deck Printer Fault) shows on the NFS MESSAGE page.

#### ARO 014-999; ARO 011-013 POST SB 777-46-0066

- (2) Use this task when ONS EXISTING FAULTS shows Maintenance Message 46120.

#### ARO ALL

- (3) This fault is sensed when the Flight Deck Printer cannot communicate with the Onboard Network System (ONS). Also, it is possible that you cannot print from the Flight Deck Printer.

### B. Possible Causes

- (1) Flight Deck Printer, M31004.

### C. Initial Evaluation

- (1) Do this task: Onboard Network System NFS Message Check, AMM TASK 46-13-00-720-801.

#### ARO 001-010; ARO 011-013 PRE SB 777-46-0066

- (a) If Fault Code 46-120 Fault Code (Flight Deck Printer Fault message) does not show, then the fault was intermittent. No action is necessary.
- (b) If Fault Code 46-120 Fault Code (Flight Deck Printer Fault message) shows, then do the Fault Isolation Procedure below.

#### ARO 014-999; ARO 011-013 POST SB 777-46-0066

- (c) If Maintenance Message 46120 does not show, then the fault was intermittent. No action is necessary.
- (d) If Maintenance Message 46120 shows, then do the Fault Isolation Procedure below.

#### ARO ALL

### D. Fault Isolation Procedure

- (1) Replace the Flight Deck Printer, M31004.
- (2) These are the tasks:
  - Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801
  - Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801

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### ARO 001-010; ARO 011-013 PRE SB 777-46-0066

- (3) Click refresh on the browser, or exit and then re-enter the NFS MESSAGES page.
  - (a) If Fault Code 46-120 does not show, then you corrected the fault.

### ARO 014-999; ARO 011-013 POST SB 777-46-0066

- (4) Click refresh on the browser or, exit and then re-enter the ONS EXISTING FAULTS page.
  - (a) If Maintenance Message 46120 does not show, then you corrected the fault.

————— END OF TASK —————

## ARO ALL

### 808. Flight Deck Printer Offline - Fault Isolation

#### A. Description

##### ARO 001-010; ARO 011-013 PRE SB 777-46-0066

- (1) Use this task when Fault Code 46-121 (Flight Deck Printer Offline) shows on the NFS MESSAGES page.

##### ARO 014-999; ARO 011-013 POST SB 777-46-0066

- (2) Use this task when the ONS EXISTING FAULTS shows Maintenance Message 46121.

##### ARO ALL

- (3) This fault is sensed when the Flight Deck Printer is offline and cannot communicate with the Onboard Network System (ONS).

#### B. Possible Causes

- (1) Flight Deck Printer, M31004

#### C. Initial Evaluation

- (1) Do this task: Onboard Network System NFS Message Check, AMM TASK 46-13-00-720-801.

##### ARO 001-010; ARO 011-013 PRE SB 777-46-0066

- (a) If Fault Code 46-121 Fault Code (Flight Deck Printer Offline) does not show, then the fault was intermittent. No action is necessary.
- (b) If Fault Code 46-121 Fault Code (Flight Deck Printer Offline) shows, then do the Fault Isolation Procedure below.

##### ARO 014-999; ARO 011-013 POST SB 777-46-0066

- (c) If Maintenance Message 46121 does not show, then the fault was intermittent. No action is necessary.
- (d) If Maintenance Message 46121 shows, then do the Fault Isolation Procedure below.

##### ARO ALL

#### D. Fault Isolation Procedure

- (1) Bring the Flight Deck Printer online.

##### ARO 001-010; ARO 011-013 PRE SB 777-46-0066

- (2) Click refresh on the browser or, exit and then re-enter the NFS MESSAGES page.
  - (a) If Fault Code 46-121 does not show, then you corrected the fault.

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- (3) Click refresh on the browser or, exit and then re-enter the ONS EXISTING FAULTS page.
  - (a) If Maintenance Message 46121 does not show, then you corrected the fault.

———— **END OF TASK** ————

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### 801. AIMS-L Software Configuration Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-40001.

#### B. Fault Isolation Procedure

- (1) Do a check of the system configuration for this system on the MAT: 31 AIMS - Left AIMS.
  - (a) Find these line replaceable modules (LRM) on the display and make sure that the software part numbers are correct:
    - 1) CPM/Comm(M001) in Left AIMS
    - 2) CPM/STD (M002) in Left AIMS
- (2) If any of the part numbers are incorrect, install software in the applicable LRM in the left AIMS cabinet:
  - (a) Do this task: Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804.
  - (b) Do this task: Core Processor Module/Standard Software Installation, AMM TASK 31-41-05-420-801.
- (3) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, CPM/Comm(M001) in Left AIMS Module Reset.

NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/STD (M002) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 802. ACMF Internal Fault in AIMS-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-40081, 31-51301.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/STD(M002) in the left AIMS.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), you corrected the fault.

————— END OF TASK —————

### 807. ACMF Internal Fault in AIMS-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51501.

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### B. Fault Isolation Procedure

- (1) Replace the CPM/GG(M010) in the left AIMS.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), you corrected the fault.

————— END OF TASK —————

### 808. ACMF Internal Fault in AIMS-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51701.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/GG(M011) in the left AIMS.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), you corrected the fault.

————— END OF TASK —————

### 822. ACMF/QARF AIMS-L Software Configuration Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-40011.

#### B. Fault Isolation Procedure

- (1) Do a check of the system configuration for this system on the MAT: 31 AIMS - Left AIMS.

- (a) Find these line replaceable modules (LRM) on the display and make sure that the software part numbers are correct:

- 1) CPM/Comm (M001) in Left AIMS
- 2) CPM/STD (M002) in Left AIMS

- (2) If any of the part numbers are incorrect, install software in the applicable LRM in the left AIMS cabinet:

- (a) Do this task: Core Processor Module/COMM Software Installation, AMM  
TASK 31-41-04-420-804.

- (b) Do this task: Core Processor Module/Standard Software Installation, AMM  
TASK 31-41-05-420-801.

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- (3) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, CPM/COMM (M001) in Left AIMS Module Reset.
- NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/STD (M002) in Left AIMS Module Reset.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 823. ACMF/QARF Internal Fault in AIMS-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-51431.

#### **B. Fault Isolation Procedure**

- (1) Replace the CPM/STD(M002), in the left AIMS.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 825. ACMF/QARF Internal Fault in AIMS-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-51631.

#### **B. Fault Isolation Procedure**

- (1) Replace the CPM/GG(M010) in the left AIMS.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 826. ACMF/QARF Internal Fault in AIMS-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-51831.

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### B. Fault Isolation Procedure

- (1) Replace the CPM/GG(M011) in the left AIMS.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), you corrected the fault.

————— END OF TASK —————

### 827. ACMF/QARF Internal Fault in AIMS-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-40021, 31-51231.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/Comm(M001) in the left AIMS.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), you corrected the fault.

————— END OF TASK —————

### 828. Quick Access Recorder Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-40031.

#### B. Possible Causes

##### **ARO 001-010; AIRPLANES WITH TELEDYNE 2243800-61/-73/-79/-81**

- (1) Quick Access Recorder (QAR) Airplane Condition And Monitoring System (ACMS) Recording Rate

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- (2) Recording Media in the Wireless Groundlink QAR
- (3) QAR

#### C. Fault Isolation Procedure

##### **ARO 001-010; AIRPLANES WITH TELEDYNE 2243800-61/-73/-79/-81**

- (1) If the Wireless Groundlink QAR will not transfer recorder data after changing the QAR ACMS dataframe to a different recording rate than the rate set by the QAR program pin, then do this task: WGL-QAR Verify and Set the bipolar\_rate Parameter to AUTO, AMM  
TASK 31-35-02-800-801.

- (a) If the QAR works as intended, then you corrected the fault.

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- (b) If the QAR does not work as intended, then continue.

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- (2) Replace the Recording Media in the Wireless Groundlink QAR. These are the tasks:
- WGL-QAR Recording Media Removal, AMM TASK 31-35-02-000-805
  - WGL-QAR Recording Media Installation, AMM TASK 31-35-02-400-805
- (a) If the MAT shows "NOT ACTIVE" for the Maintenance Message (or the message does not show), you corrected the fault.
- (3) Replace the QAR, M31006. These are the tasks:
- Quick Access Recorder (QAR) Removal, AMM TASK 31-35-02-000-803
  - Quick Access Recorder (QAR) Installation, AMM TASK 31-35-02-400-803
- (a) If the MAT shows "NOT ACTIVE" for the Maintenance Message (or the message does not show), you corrected the fault.

#### ———— END OF TASK ————

### 829. Quick Access Recorder Tape Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-40041.

#### B. Possible Causes

- (1) Recording Media in the Wireless Groundlink QAR

#### C. Fault Isolation Procedure

- (1) Replace the Recording Media in the Wireless Groundlink QAR. These are the tasks:
- WGL-QAR Recording Media Removal, AMM TASK 31-35-02-000-805
  - WGL-QAR Recording Media Installation, AMM TASK 31-35-02-400-805
- (a) If the MAT shows "NOT ACTIVE" for the Maintenance Message (or the message does not show), you corrected the fault.

#### ———— END OF TASK ————

### 830. ACMF Internal Software Fault in AIMS-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-40061, 31-40091, 31-51303.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/STD(M002) in Left AIMS Module Reset.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/STD(M002) in the left AIMS cabinet.
- These are the tasks:
- Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,
- Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 831. ACMF Internal Software Fault in AIMS-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-40071, 31-51103.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, CPM/Comm(M001) in Left AIMS Module Reset.

NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 832. ACMF AIMS-L No CMCF Input AIMS-L Backplane - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-40201.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the CPM/Comm(M001) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (2) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (3) Replace the CPM/STD (M002) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left AIMS cabinet, M31101. These are the tasks:
- AIMS Cabinet Removal, AMM TASK 31-41-21-000-802
  - AIMS Cabinet Installation, AMM TASK 31-41-21-400-801
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 833. ACMF AIMS-L No Input from CMCF in AIMS-R 629 Bus 3 and 4 - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-40211.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm(M001) in Right AIMS Module Reset.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Make these selections on the MAT to put the right CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO RIGHT.
- (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
- 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 2) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Make these selections on the MAT to put the right CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO RIGHT.
- (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
- 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 2) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (4) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Make these selections on the MAT to put the left CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO LEFT.
  - (a) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.

NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.

    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**834. ACMF Internal Fault in AIMS-L - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-51101.

**B. Fault Isolation Procedure**

- (1) Replace the CPM/Comm(M001) in the left AIMS.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), you corrected the fault.

————— **END OF TASK** —————

**835. ACMF Internal Fault in AIMS-R - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-51102.

**B. Fault Isolation Procedure**

- (1) Replace the CPM/Comm(M001) in the right AIMS.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 836. ACMF Internal Software Fault in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51104.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm(M001) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 837. ACMF/QARF Internal Fault in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51232.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/Comm(M001) in the right AIMS.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), you corrected the fault.

————— END OF TASK —————

### 838. ACMF/QARF Internal Software Fault in AIMS-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51233.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, CPM/Comm(M001) in Left AIMS Module Reset.

NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 839. ACMF/QARF Internal Software Fault in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51234.

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### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm(M001) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 840. ACMF Internal Fault in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-40082, 31-51302.

#### B. Fault Isolation Procedure

- (1) Replace the module that is installed in the M002 slot in the right AIMS cabinet: the CPM/STD(M002).

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,  
Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), you corrected the fault.

————— END OF TASK —————

### 841. ACMF Internal Software Fault in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-40092, 31-51304.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/STD(M002) in Right AIMS Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 842. ACMF/QARF Internal Fault in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51432.

#### B. Fault Isolation Procedure

#### C. Fault Isolation Procedure

- (1) Replace the module that is installed in the M002 slot in the right AIMS cabinet: the CPM/STD(M002).

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,  
Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), you corrected the fault.

————— END OF TASK —————

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**843. ACMF/QARF Internal Software Fault in AIMS-L - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-51433.

**B. Fault Isolation Procedure**

**C. Fault Isolation Procedure**

- (1) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/STD(M002) in Left AIMS Module Reset.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**844. ACMF/QARF Internal Software Fault in AIMS-R - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-51434.

**B. Fault Isolation Procedure**

**C. Fault Isolation Procedure**

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/STD(M002) in Right AIMS Reset.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**845. ACMF Internal Fault in AIMS-R - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-51502.

**B. Fault Isolation Procedure**

- (1) Replace the CPM/GG(M010) in the right AIMS.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), you corrected the fault.

————— **END OF TASK** —————

**846. ACMF Internal Software Fault in AIMS-L - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-51503.

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### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M010) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 847. ACMF Internal Software Fault in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51504.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M010) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 848. ACMF/QARF Internal Fault in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51632.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/GG(M010), in the right AIMS.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), you corrected the fault.

————— END OF TASK —————

### 849. ACMF/QARF Internal Software Fault in AIMS-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51633.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M010) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 850. ACMF/QARF Internal Software Fault in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51634.

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### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M010) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 851. ACMF Internal Fault in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51702.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/GG(M011) in the right AIMS.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), you corrected the fault.

————— END OF TASK —————

### 852. ACMF Internal Software Fault in AIMS-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51703.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M011) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 853. ACMF Internal Software Fault in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51704.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M011) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 854. ACMF/QARF Internal Fault in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51832.

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### B. Fault Isolation Procedure

- (1) Replace the CPM/GG(M011) in the right AIMS.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), you corrected the fault.

————— END OF TASK —————

### 855. ACMF/QARF Internal Software Fault in AIMS-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51833.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M011) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 856. ACMF/QARF Internal Software Fault in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51834.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M011) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 857. ACMS Engine Stable Report Problems - Fault Isolation

#### A. Fault Isolation Procedure

NOTE: A given set of parameters must have good data for a given time during a flight before an Engine Stable report is made. The data must stay between limits set by Modifiable Constants. If the data does not stay between the limits during the flight, then the report cannot be made. If one or more parameters has bad data, the report cannot be made. Bad data can be caused by a defective LRU or a bad LRU connection.

- (1) Make sure that the Modifiable Constants for the Engine Stable report are set to their default values:
  - (a) Make these selections on a maintenance access terminal (MAT):
    - 1) CONDITION MONITORING
    - 2) ACMS
    - 3) MODIFIABLE CONSTANTS

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- (b) When the list of Modifiable Constants shows, make sure that the CURRENT value is the same as the DEFAULT value for each of these parameters:
  - 1) LOGIC\_STABLE
  - 2) N1DELTA\_ACMF
  - 3) MINBCALT\_STABLE
  - 4) MAXBCALT\_STABLE
  - 5) MINBCMACH\_STABLE
  - 6) MAXBCMACH\_STABLE
  - 7) MINBCN1\_STABLE
  - 8) MAXBCN1\_STABLE
  - 9) MINBCGWT\_STABLE
  - 10) MAXBCGWT\_STABLE
  - 11) MINBCTAT\_STABLE
  - 12) MAXBCTAT\_STABLE
  - 13) MINBCTFQTY\_STABLE
  - 14) MAXBCTFQTY\_STABLE
  - 15) TBALT\_STABLE
  - 16) TBMACH\_STABLE
  - 17) TBN1\_STABLE
  - 18) TBSAT\_STABLE
  - 19) TBCAS\_STABLE
- (c) If the CURRENT value of a parameter is not the same as the DEFAULT value, then do this:
  - 1) Select the parameter.
  - 2) Select MODIFY CONSTANT.
  - 3) Type the DEFAULT value in the MODIFY VALUE dialog box.
  - 4) Select ACCEPT.
  - 5) If the automatic Engine Stable report is available after the next flight, you corrected the problem.
- (2) Look for bad data in the values of the parameters that are used by the Engine Stable report:
  - (a) Make sure that the engines are running. To start the engines, do this task: Engine Start (Selection), AMM TASK 71-00-00-800-835-H00.
  - (b) Make these selections on a maintenance access terminal (MAT):
    - 1) CONDITION MONITORING
    - 2) ACMS
    - 3) MNEMONIC DATA
    - 4) SEARCH PARAMETER
  - (c) For each group of parameters in the list below, do this:
    - 1) Type the group name in the SIGNAL NAME field (include the asterisk; it is a wildcard).

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- 2) Select FIND SIGNAL.
- 3) When the parameters for the selected group show, select each parameter in the list below for that group, and select ADD SIGNAL after each one.
  - a) Use this list:

**Table 201/31-35-00-993-803**

| GROUP  | PARAMETER                                                                                             | APPLICABLE LRU                                                                                                                                  |
|--------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| *ACMF  | ALT_ACMF<br>CAS_ACMF<br>MACH_ACMF<br>NAISTATL_ACMF<br>NAISTATR_ACMF<br>WAISTATL_ACMF<br>WAISTATR_ACMF | ADIRU or SAARU<br>ADIRU or SAARU<br>ADIRU or SAARU<br>Left ARINC signal gateway (ASG) card<br>Right ASG card<br>Left ASG card<br>Right ASG card |
| *ADIRU | SAT_ADIRU<br>TAT_ADIRU                                                                                | ADIRU<br>ADIRU                                                                                                                                  |
| *ASCPC | E60081515_LASCPC<br>E60081515_RASCPC<br>E60091515_LASCPC<br>E60091515_RASCPC                          | Left air supply & cabin pressure controller (ASCPC)<br>Right ASCPC<br>Left ASCPC<br>Right ASCPC                                                 |
| *EECGE | N1_LEECGE<br>N1_REECGE                                                                                | Left EEC<br>Right EEC                                                                                                                           |
| *FQPU  | TOTFW_FQPU                                                                                            | Fuel quantity processor unit (FQPU)                                                                                                             |

- (d) Select DONE.
- (e) Select START.
- (f) Look at the value of each parameter to see if one or more of these symbols shows (these symbols show bad data):
  - 1) ...
  - 2) (
  - 3) )
  - 4) :
  - 5) -
- (g) If one of the above symbols shows adjacent to or in place of a parameter value, make a note of the applicable LRU shown above.
- (h) Look for maintenance messages related to the LRU that sent bad data:
  - 1) Make these selections on a MAT:
    - a) ACMS
    - b) EXIT ACMS
    - c) ONBOARD MAINTENANCE
    - d) EXTENDED MAINTENANCE
    - e) EXISTING FAULTS
  - 2) Look for maintenance messages related to the LRU.

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- 3) If you find a related maintenance message in Existing Faults, then do these steps:
  - a) Find the maintenance message in the applicable FIM Maintenance Message Index.
  - b) Do the specified task for the maintenance message.
- (3) If none of the parameters had a symbol for bad data, then look in Fault History for maintenance messages related to the LRUs that are used by the Engine Stable report:
  - (a) Make these selections on a MAT:
    - 1) ACMS
    - 2) EXIT ACMS
    - 3) ONBOARD MAINTENANCE
    - 4) EXTENDED MAINTENANCE
    - 5) FAULT HISTORY
    - 6) SELECT FDE BY LEG
  - (b) For each of the first five legs that show, do this:
    - 1) Select the leg.
    - 2) Select CONTINUE.
    - 3) Look for maintenance messages related to the LRUs in the list below:
      - a) Fuel quantity processor unit (FQPU)
      - b) ARINC signal gateway (ASG) card, left or right
      - c) CPM/ACMF in left AIMS
      - d) IOM in left AIMS
      - e) Air data inertial reference unit (ADIRU)
      - f) Secondary attitude air data reference unit (SAARU)
      - g) FMCF in left AIMS
      - h) Air supply & cabin pressure controller (ASCPC), left or right
      - i) Electronic engine control (EEC), left or right engine
    - 4) Select SELECT NEW LEG.
  - (c) If you find a related maintenance message in Fault History, then do these steps:
    - 1) Find the maintenance message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
- (4) Set ACMS to make a manual Engine Stable report while the airplane is in the air:
  - (a) Before take-off make these selections on the MAT to make sure that an Engine Stable report is made during the flight:
    - 1) CONDITION MONITORING
    - 2) ENGINE REPORTS
    - 3) ENGINE STABLE
    - 4) MANUALLY INITIATED
  - (b) After the flight, look at the report or reports.



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- 1) If there are two reports, one manual and one automatic, you corrected the problem.  
**NOTE:** On manual reports, the value of parameter QR is 99.999. On automatic reports, the value of QR is less than 99.999.
- 2) If there is only a manual report, and no automatic report, then continue.
- (c) Find these parameters on the manual report and look at the value below the parameter name for bad data (bad data has symbols . ( ) : - adjacent to or in place of the parameter value).
  - 1) Use this list:

| PARAMETER | APPLICABLE LRU                                |
|-----------|-----------------------------------------------|
| PALT      | ADIRU and SAARU                               |
| TAT       | ADIRU                                         |
| CAS       | ADIRU                                         |
| MACH      | ADIRU and SAAR                                |
| PKWD      | ASCP, left and right, and CTC, left and right |
| NAI       | ASG Card, left and right                      |
| WAI       | ASG Card, left and right                      |
| N1        | EEC, left and right                           |

- (d) If any data is bad, look in ONBOARD MAINTENANCE, LINE MAINTENANCE, PRESENT LEG FAULTS for maintenance messages related to the applicable LRU above.
- (e) If you find a related maintenance message in Present Leg Faults, then do these steps:
  - 1) Find the maintenance message in the applicable FIM Maintenance Message Index.
  - 2) Do the specified task for the maintenance message.
    - a) If the automatic Engine Stable report is available after the next flight, you corrected the problem.

————— **END OF TASK** —————

### 858. ACMS Data Printing Problems - Fault Isolation

#### A. Initial Evaluation

- (1) In the air, if the Flight Deck Printer Inhibited indication shows and ACMS data does not come out of the printer, do this:
  - (a) If the flight crew tries to print ACMS data during takeoff, they must wait until the airplane is above 10,000 feet.
  - (b) If the flight crew tries to print ACMS data during landing, they must wait until after landing when the speed is less than 40 knots.
  - (c) If the ACMS data comes out of the printer after takeoff or landing, there is no problem.  
**NOTE:** ACMS data cannot come out of the printer during takeoff and landing. If you try to send ACMS data to the printer during those times, a dialog box will show this: Flight Deck Printer Inhibited. The ACMS keeps the data until the airplane is above 10,000 feet or after landing when ground speed is less than 40 knots. The data can then come out of the printer.
- (2) On the ground, if the Flight Deck Printer Inhibited indication shows and ACMS data does not come out of the printer, do this:
  - (a) Set the parking brake and make sure it stays set.
  - (b) Shut down both engines (in either sequence).

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- (c) If ACMS data can now come out of the printer, there is no problem.

NOTE: You can now start the engines if it is necessary, but the parking brake must stay set to let ACMS data come out of the printer.

### ————— END OF TASK —————

**ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218; AIRPLANES WITH AIMS BP V17A UPGRADE & SUBSEQUENT**

#### **859. AIMS-R Software Configuration Problems - Fault Isolation**

##### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-40002.

##### **B. Fault Isolation Procedure**

- (1) Do a check of the system configuration for this system on the MAT: 31 AIMS - Right AIMS.
  - (a) Find these line replaceable modules (LRM) on the display and make sure that the software part numbers are correct:
    - 1) CPM/Comm(M001) in Right AIMS
    - 2) CPM/STD (M002) in Right AIMS
- (2) If any of the part numbers are incorrect, install software in the applicable LRM in the Right AIMS cabinet. These are the tasks:
  - Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804
  - Core Processor Module/Standard Software Installation, AMM TASK 31-41-05-420-801
- (3) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm(M001) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/STD (M002) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### **860. ACMF/QARF AIMS-R Software Configuration Problems - Fault Isolation**

##### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-40012.

##### **B. Fault Isolation Procedure**

- (1) Do a check of the system configuration for this system on the MAT: 31 AIMS - Right AIMS.
  - (a) Find these line replaceable modules (LRM) on the display and make sure that the software part numbers are correct:
    - 1) CPM/Comm (M001) in Right AIMS
    - 2) CPM/STD (M002) in Right AIMS
- (2) If any of the part numbers are incorrect, install software in the applicable LRM in the Right AIMS cabinet. These are the tasks:
  - Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804

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- Core Processor Module/Standard Software Installation, AMM TASK 31-41-05-420-801
- (3) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/COMM (M001) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/STD (M002) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), you corrected the fault.

————— END OF TASK —————

### 861. ACMF Internal Software Fault in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-40062.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/STD(M002) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/STD(M002) in the Right AIMS cabinet. These are the tasks:
  - Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801
  - Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 862. ACMF Internal Software Fault in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-40072.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm(M001) in Right AIMS Module Reset.
- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

**| ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218**

### 863. ACMF AIMS-R No Input from CMCF in AIMS-L 629 Bus 3 and 4 - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-40202.

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(Continued)

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Make these selections on the MAT to put the Left CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO LEFT.
  - (a) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Make these selections on the MAT to put the Left CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO LEFT.
  - (a) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Make these selections on the MAT to put the Right CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO RIGHT.
  - (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 864. ACMF AIMS-R No CMCF Input AIMS-R Backplane - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-40212.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the Right AIMS cabinet. These are the tasks:
  - Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/STD (M002) in the Right AIMS cabinet. These are the tasks:
  - Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801
  - Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the Right AIMS cabinet, M31201. These are the tasks:
  - AIMS Cabinet Removal, AMM TASK 31-41-21-000-802
  - AIMS Cabinet Installation, AMM TASK 31-41-21-400-801
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### | 867. ACMF in Left AIMS has no input from Network File Server (Left) on the PlaneNet

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-40311.

#### B. Description

- (1) The Network File Server (NFS) shows this Maintenance Message when PlaneNet communication between the ACMF in the Airplane Information Management System (AIMS)-L, and the NFS is unserviceable.
- (2) Use this task when AIMS EXISTING FAULTS shows Maintenance Message.
  - (a) The fault data for Maintenance Message is: ACMF in Left AIMS has no input from Network File Server (Left) on the PlaneNet.

#### C. Possible Causes

- (1) CPM/Comm(M001) in Left AIMS

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- (2) CPM/STD(M002) in Left AIMS
- (3) NFS
- (4) Software

### D. Initial Evaluation

- (1) Do a check of the AIMS EXISTING FAULTS for ATA 31 AIMS - Left AIMS (How to Find Active or Latched Maintenance Messages in One ATA System, AMM TASK 45-10-00-740-818).
  - (a) If the Maintenance Message does not show, then the fault is intermittent.
  - (b) If the Maintenance Message still shows, then continue.
- (2) Do a check of ONS EXISTING FAULTS (Onboard Network System NFS Message Check, AMM TASK 46-13-00-720-801).

**NOTE:** ONS is serviceable only when the EXISTING FAULTS page shows no Maintenance Messages.

- (a) Set the browser to show EXTENDED MAINTENANCE > EXISTING FAULTS > ATA SYSTEM > "46 Onboard Network System" > FAULTS.
  - 1) If you find active Maintenance Messages, then do the FIM Tasks for the messages that show.
    - a) After you correct the ONS related problems, exit and re-enter the AIMS EXISTING FAULTS page.
    - b) If the Maintenance Message still shows, then do the Fault Isolation Procedure.

### E. Fault Isolation Procedure

- (1) Make sure that these circuit breakers are closed:

#### Left Power Management Panel, P110

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
|------------|------------|---------------|-------------|

ARO 014-999

|   |    |        |         |
|---|----|--------|---------|
| B | 27 | C46418 | NFS - L |
|---|----|--------|---------|

#### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
|------------|------------|---------------|-------------|

ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218; AIRPLANES WITH AIMS BP V17A UPGRADE & SUBSEQUENT

|   |    |        |          |
|---|----|--------|----------|
| B | 12 | C31609 | AIMS L-1 |
| B | 13 | C31611 | AIMS L-2 |
| B | 14 | C31617 | AIMS L-3 |
| B | 15 | C31619 | AIMS L-4 |
| F | 12 | C31610 | AIMS R-1 |
| F | 13 | C31612 | AIMS R-2 |
| F | 14 | C31618 | AIMS R-3 |
| F | 15 | C31620 | AIMS R-4 |

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This circuit breaker is inoperative and should remain open:

### Right Power Management Panel, P210

| Row | Col | Number | Name |
|-----|-----|--------|------|
|-----|-----|--------|------|

#### ARO 014-999

|   |    |        |                |
|---|----|--------|----------------|
| B | 11 | C46419 | NFS - R (INOP) |
|---|----|--------|----------------|

ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218; AIRPLANES WITH AIMS BP V17A UPGRADE & SUBSEQUENT

- (a) If you closed the breaker, do a check of the AIMS EXISTING FAULTS for ATA 31 AIMS - Left AIMS (How to Find Active or Latched Maintenance Messages in One ATA System, AMM TASK 45-10-00-740-818).
  - 1) If the Maintenance Message does not show, then you corrected the problem.
  - 2) If the Maintenance Message still shows, then continue.
- (2) Make these selections on the MAT to make sure that the Right CMCF is in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL.

**NOTE:** You must reset the IOM(M003) from the off-side CMCF and AIMS Interface.

  - (a) If the display shows that the Left CMCF is in control, select SWITCH TO RIGHT, YES, CONTINUE.
    - 1) On the MATA AIMS Main Menu, select Interface R\_AIMS.
    - 2) Select ONBOARD MAINTENANCE.
  - (b) If the display shows that the Right CMCF is in control, then select GO BACK.
    - 1) Select LINE MAINTENANCE, EXIT MAINTENANCE, Interface R\_AIMS.
    - 2) Select ONBOARD MAINTENANCE.
- (3) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/Comm(M001) in Left AIMS Module Reset.
  - (a) Do the Repair Confirmation procedure at the end of this task.
- (4) Replace the CPM/Comm(M001) module in the Left AIMS cabinet. These are the tasks:
  - Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802
  - Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802
  - (a) Do the Repair Confirmation at the end of this task.
- (5) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/STD(M002) in Left AIMS Module Reset.
  - (a) Do the Repair Confirmation procedure at the end of this task.
- (6) Replace the CPM/Comm(M001) module in the Left AIMS cabinet. These are the tasks:
  - Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801
  - Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801
  - (a) Do the Repair Confirmation at the end of this task.
- (7) Do a check of CPM/Comm Software in the Left AIMS cabinet. This is the task: Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802

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- (a) Make sure that OPS is serviceable.
- (b) Make sure that OPC is serviceable.
- (c) Make sure the two parts agree with your airline's required software record.  
NOTE: At this step in the process, it is very likely that at least one of the two parts is unserviceable.
  - 1) If you find a problem, then install the correct software part (Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804).
- (d) Do the Repair Confirmation at the end of this task.
- (8) Do a check of CPM/STD Software in the Left AIMS cabinet. This is the task: Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801
  - (a) Make sure that OPS is serviceable.
  - (b) Make sure that OPC is serviceable.
  - (c) Make sure the two parts agree with your airline's required software record.  
NOTE: At this step in the process, it is very likely that at least one of the two parts is unserviceable.
    - 1) If you find a problem, then install the correct software part (Core Processor Module/Standard Software Installation, AMM TASK 31-41-05-420-801).
  - (d) Do the Repair Confirmation at the end of this task.
- (9) Do a check of ONS Software. This is the task: Network File Server Software Check, AMM TASK 46-13-01-860-801
  - (a) Make sure that 46 NED OPC is serviceable.
  - (b) Make sure that 46 NFS OPC is serviceable.
  - (c) Make sure the two parts agree with your airline's required software record.  
NOTE: At this step in the process, it is very likely that at least one of the two parts is unserviceable.
    - 1) If you find a problem, then install the correct software part (Network File Server Software Installation, AMM TASK 46-13-01-470-801).
  - (d) Do the Repair Confirmation at the end of this task.
- (10) Replace the NFS. These are the tasks:
  - Network File Server Removal, AMM TASK 46-13-01-000-801-001
  - Network File Server Installation, AMM TASK 46-13-01-400-801-001
  - (a) Do the Repair Confirmation at the end of this task.

### F. Repair Confirmation

- (1) Do a check of the AIMS EXISTING FAULTS for ATA 31 AIMS - Left AIMS (How to Find Active or Latched Maintenance Messages in One ATA System, AMM TASK 45-10-00-740-818).
  - (a) If the Maintenance Message does not show, then you corrected the problem.
  - (b) If the Maintenance Message still shows, continue the Fault Isolation Procedure at the subsequent step.

————— END OF TASK —————

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AIRPLANES WITH AIMS BP V17A UPGRADE & SUBSEQUENT (Continued)

### 868. ACMF in Right AIMS has no input from Network File Server (Left) on the PlaneNet

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-40312.

#### B. Description

- (1) The NFS shows this Maintenance Message when PlaneNet communication between the ACMF in the AIMS-R, and the NFS is unserviceable.
- (2) Use this task when AIMS EXISTING FAULTS shows Maintenance Message.
  - (a) The fault data for Maintenance Message is: ACMF in Right AIMS has no input from Network File Server (Left) on the PlaneNet.

#### C. Possible Causes

- (1) CPM/Comm(M001) in Right AIMS
- (2) CPM/STD(M002) in Right AIMS
- (3) NFS
- (4) Software

#### D. Initial Evaluation

- (1) Do a check of the AIMS EXISTING FAULTS for ATA 31 AIMS - Right AIMS (How to Find Active or Latched Maintenance Messages in One ATA System, AMM TASK 45-10-00-740-818).
  - (a) If the Maintenance Message does not show, then the fault is intermittent.
  - (b) If the Maintenance Message still shows, then continue.
- (2) Do a check of ONS EXISTING FAULTS (Onboard Network System NFS Message Check, AMM TASK 46-13-00-720-801).

NOTE: ONS is serviceable only when the EXISTING FAULTS page shows no Maintenance Messages.

- (a) Set the browser to show EXTENDED MAINTENANCE > EXISTING FAULTS > ATA SYSTEM > "46 Onboard Network System" > FAULTS.
  - 1) If you find active Maintenance Messages, then do the FIM Tasks for the messages that show.
    - a) After you correct the ONS related problems, exit and re-enter the AIMS EXISTING FAULTS page.
    - b) If the Maintenance Message still shows, then do the Fault Isolation Procedure.

#### E. Fault Isolation Procedure

- (1) Make sure that these circuit breakers are closed:

##### **Left Power Management Panel, P110**

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
|------------|------------|---------------|-------------|

ARO 014-999

|   |    |        |         |
|---|----|--------|---------|
| B | 27 | C46418 | NFS - L |
|---|----|--------|---------|

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### Overhead Circuit Breaker Panel, P11

| Row | Col | Number | Name |
|-----|-----|--------|------|
|-----|-----|--------|------|

ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218; AIRPLANES WITH AIMS BP V17A UPGRADE & SUBSEQUENT

|   |    |        |          |
|---|----|--------|----------|
| B | 12 | C31609 | AIMS L-1 |
| B | 13 | C31611 | AIMS L-2 |
| B | 14 | C31617 | AIMS L-3 |
| B | 15 | C31619 | AIMS L-4 |
| F | 12 | C31610 | AIMS R-1 |
| F | 13 | C31612 | AIMS R-2 |
| F | 14 | C31618 | AIMS R-3 |
| F | 15 | C31620 | AIMS R-4 |

This circuit breaker is inoperative and should remain open:

### Right Power Management Panel, P210

| Row | Col | Number | Name |
|-----|-----|--------|------|
|-----|-----|--------|------|

ARO 014-999

|   |    |        |                |
|---|----|--------|----------------|
| B | 11 | C46419 | NFS - R (INOP) |
|---|----|--------|----------------|

ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218; AIRPLANES WITH AIMS BP V17A UPGRADE & SUBSEQUENT

- (a) If you closed the breaker, do a check of the AIMS EXISTING FAULTS for ATA 31 AIMS - Right AIMS (How to Find Active or Latched Maintenance Messages in One ATA System, AMM TASK 45-10-00-740-818).
  - 1) If the Maintenance Message does not show, then you corrected the problem.
  - 2) If the Maintenance Message still shows, then continue.
- (2) Make these selections on the MAT to make sure that the Left CMCF is in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL.

**NOTE:** You must reset the IOM(M003) from the off-side CMCF and AIMS Interface.

  - (a) If the display shows that the Right CMCF is in control, select SWITCH TO LEFT, YES, CONTINUE.
    - 1) On the MATA AIMS Main Menu, select Interface L\_AIMS.
    - 2) Select ONBOARD MAINTENANCE.
  - (b) If the display shows that the Left CMCF is in control, then select GO BACK.
    - 1) Select LINE MAINTENANCE, EXIT MAINTENANCE, Interface L\_AIMS.
    - 2) Select ONBOARD MAINTENANCE.
- (3) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm(M001) in Right AIMS Module Reset.
  - (a) Do the Repair Confirmation procedure at the end of this task.
- (4) Replace the CPM/Comm(M001) module in the Right AIMS cabinet. These are the tasks:
  - Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802

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- Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802
  - (a) Do the Repair Confirmation at the end of this task.
- (5) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/STD(M002) in Right AIMS Module Reset.
  - (a) Do the Repair Confirmation procedure at the end of this task.
- (6) Replace the CPM/Comm(M001) module in the Right AIMS cabinet. These are the tasks:
  - Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801
  - Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801
  - (a) Do the Repair Confirmation at the end of this task.
- (7) Do a check of CPM/Comm Software in the Right AIMS cabinet. This is the task: Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802
  - (a) Make sure that OPS is serviceable.
  - (b) Make sure that OPC is serviceable.
  - (c) Make sure the two parts agree with your airline's required software record.

NOTE: At this step in the process, it is very likely that at least one of the two parts is unserviceable.

    - 1) If you find a problem, then install the correct software part (Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804).
  - (d) Do the Repair Confirmation at the end of this task.
- (8) Do a check of CPM/STD Software in the Right AIMS cabinet. This is the task: Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801
  - (a) Make sure that OPS is serviceable.
  - (b) Make sure that OPC is serviceable.
  - (c) Make sure the two parts agree with your airline's required software record.

NOTE: At this step in the process, it is very likely that at least one of the two parts is unserviceable.

    - 1) If you find a problem, then install the correct software part (Core Processor Module/Standard Software Installation, AMM TASK 31-41-05-420-801).
  - (d) Do the Repair Confirmation at the end of this task.
- (9) Do a check of ONS Software. This is the task: Network File Server Software Check, AMM TASK 46-13-01-860-801
  - (a) Make sure that 46 NED OPC is serviceable.
  - (b) Make sure that 46 NFS OPC is serviceable.
  - (c) Make sure the two parts agree with your airline's required software record.

NOTE: At this step in the process, it is very likely that at least one of the two parts is unserviceable.

    - 1) If you find a problem, then install the correct software part (Network File Server Software Installation, AMM TASK 46-13-01-470-801).
  - (d) Do the Repair Confirmation at the end of this task.
- (10) Replace the NFS. These are the tasks:
  - Network File Server Removal, AMM TASK 46-13-01-000-801-001

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- Network File Server Installation, AMM TASK 46-13-01-400-801-001
- (a) Do the Repair Confirmation at the end of this task.

**F. Repair Confirmation**

- (1) Do a check of the AIMS EXISTING FAULTS for ATA 31 AIMS - Right AIMS (How to Find Active or Latched Maintenance Messages in One ATA System, AMM TASK 45-10-00-740-818).
  - (a) If the Maintenance Message does not show, then you corrected the problem.
  - (b) If the Maintenance Message still shows, continue the Fault Isolation Procedure at the subsequent step.

———— **END OF TASK** ————

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### 801. Left and Right AIMS have Incorrect Software Configuration - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-50303, 31-50304.

#### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do these steps:
- (a) Do these ground tests on the MAT: 31 AIMS - Left AIMS, System Test:
    - 1) IOM(M003) in Left AIMS Module Reset
    - 2) IOM(M004) in Left AIMS Module Reset
    - 3) IOM(M008) in Left AIMS Module Reset
    - 4) IOM(M009) in Left AIMS Module Reset
  - (b) If the maintenance message shows on the ground test display, then continue.
  - (c) If the maintenance message does not show on the ground test display, then there was an intermittent fault.
- (2) If the MAT still shows LATCHED for the maintenance message, then do these steps:
- (a) Do these ground tests on the MAT: 31 AIMS - Right AIMS, System Test:
    - 1) IOM(M003) in Right AIMS Module Reset
    - 2) IOM(M004) in Right AIMS Module Reset
    - 3) IOM(M008) in Right AIMS Module Reset
    - 4) IOM(M009) in Right AIMS Module Reset
  - (b) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (c) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Do a check of the system configuration for this system on the MAT: 31 AIMS - Left AIMS.
- (a) Find these line replaceable modules (LRM) on the display and make sure that the software part numbers are correct:
    - 1) CPM/Comm(M001) in Left AIMS
    - 2) CPM/STD (M002) in Left AIMS
    - 3) IOM(M003) in Left AIMS
    - 4) IOM(M004) in Left AIMS
    - 5) IOM(M008) in Left AIMS
    - 6) IOM(M009) in Left AIMS
    - 7) CPM/GG(M010) in Left AIMS
    - 8) CPM/GG(M011) in Left AIMS
- (2) If any of the part numbers are incorrect, install software in the applicable LRM in the left AIMS cabinet:
- (a) To install software in the CPM/Comm(M001), do this task: Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804.
  - (b) To install software in the CPM/STD (M002), do this task: Core Processor Module/Standard Software Installation, AMM TASK 31-41-05-420-801.

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- (c) To install software in an IOM, do this task: Input/Output Module (IOM) Software Installation, AMM TASK 31-41-11-420-806.
- (d) To install software in an CPM/GG, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
- (3) Use a MAT to do a ground test of the module that got software:
  - (a) If the module is a CPM/Comm, make these selections on the MAT to make sure the right CMCF is in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL.  
NOTE: You must reset the CPM/Comm from the off-side CMCF.
    - 1) If the display shows that the left CMCF is in control, select SWITCH TO RIGHT.
    - 2) If the display shows that the right CMCF is in control, then select GO BACK.
  - (b) Make these selections on the MAT: 31 AIMS - Left AIMS, System Test:
  - (c) Select the ground test for the module that got software:
    - 1) CPM/Comm(M001) in Left AIMS Module Reset  
NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.
    - 2) CPM/STD (M002) in Left AIMS Module Reset
    - 3) IOM(M003) in Left AIMS Module Reset
    - 4) IOM(M004) in Left AIMS Module Reset
    - 5) IOM(M008) in Left AIMS Module Reset
    - 6) IOM(M009) in Left AIMS Module Reset
    - 7) CPM/GG(M010) in Left AIMS Module Reset
    - 8) CPM/GG(M011) in Left AIMS Module Reset
  - (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (4) Do a check of the system configuration for this system on the MAT: 31 AIMS - Right AIMS.
  - (a) Find these line replaceable modules (LRM) on the display and make sure that the software part numbers are correct:
    - 1) CPM/Comm(M001) in Right AIMS
    - 2) CPM/STD (M002) in Right AIMS
    - 3) IOM(M003) in Right AIMS
    - 4) IOM(M004) in Right AIMS
    - 5) IOM(M008) in Right AIMS
    - 6) IOM(M009) in Right AIMS
    - 7) CPM/GG(M010) in Right AIMS
    - 8) CPM/GG(M011) in Right AIMS
- (5) If any of the part numbers are incorrect, install software in the applicable LRM in the right AIMS cabinet:
  - (a) To install software in the CPM/Comm(M001), do this task: Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804.
  - (b) To install software in the CPM/STD (M002), do this task: Core Processor Module/Standard Software Installation, AMM TASK 31-41-05-420-801.

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- (c) To install software in an IOM, do this task: Input/Output Module (IOM) Software Installation, AMM TASK 31-41-11-420-806.
- (d) To install software in an CPM/GG, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
- (6) Use a MAT to do a ground test of the module that got software:
  - (a) If the module is a CPM/Comm, make these selections on the MAT to make sure the left CMCF is in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL.  
NOTE: You must reset the CPM/Comm from the off-side CMCF.
    - 1) If the display shows that the right CMCF is in control, select SWITCH TO LEFT.
    - 2) If the display shows that the left CMCF is in control, then select GO BACK.
  - (b) Make these selections on the MAT: 31 AIMS - Right AIMS, System Test:
  - (c) Select the ground test for the module that got software:
    - 1) CPM/Comm(M001) in Right AIMS Module Reset
    - 2) CPM/STD (M002) in Right AIMS Module Reset
    - 3) IOM(M003) in Right AIMS Module Reset
    - 4) IOM(M004) in Right AIMS Module Reset
    - 5) IOM(M008) in Right AIMS Module Reset
    - 6) IOM(M009) in Right AIMS Module Reset
    - 7) CPM/GG(M010) in Right AIMS Module Reset
    - 8) CPM/GG(M011) in Right AIMS Module Reset
  - (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 806. Left AIMS CPM/Comm(M001) Module Internal Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51131.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/Comm(M001) in the left AIMS cabinet.  
These are the tasks:  
Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802,  
Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802.
- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 807. Right AIMS CPM/Comm(M001) Module Internal Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51132.

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### B. Fault Isolation Procedure

- (1) Replace the CPM/Comm(M001) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 808. Left AIMS CPM/ACMF or CPM/STD(M002) Module Internal Problems - Fault Isolation

#### A. Fault Isolation Procedure

- (1) Replace the CPM/STD (M002) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 809. Right AIMS CPM/Basic or CPM/STD(M002) Module Internal Problems - Fault Isolation

#### A. Fault Isolation Procedure

- (1) Replace the CPM/STD (M002) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 812. Left AIMS CPM/Comm(M001) Internal S/W Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51133.

#### B. Fault Isolation Procedure

- (1) Make these selections on the MAT to make sure the right CMCF is in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL.

NOTE: You must reset the CPM/Comm from the off-side CMCF.

- (a) If the display shows that the left CMCF is in control, select SWITCH TO RIGHT.
- (b) If the display shows that the right CMCF is in control, then select GO BACK.

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- (2) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, CPM/Comm(M001) in Left AIMS Module Reset.

NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.

- (3) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

### 817. Left AIMS IOM(M003) to Flt Ctrl 629 Bus-C Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-52101.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31309, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the IOM(M003) to the Flt Ctrl 629 Bus-C.

- (a) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM(M003) to the coupler:
  - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31309 from the coupler, B31309.
  - (c) Do a wiring check between these pins of the IOM connector P3 and connector DB31309 at the P311 panel (WDM 31-41-25) (SSM 31-41-02):

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| P3-B         | DB31309 |
|--------------|---------|
| pin A5 ..... | pin 5   |
| pin A6 ..... | pin 4   |
| pin A2 ..... | pin 2   |
| pin A3 ..... | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
  - 2) Re-connect connector DB31309.
  - 3) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the maintenance message does not show on the ground test display, you corrected the fault.

### — END OF TASK —

## 818. Right AIMS IOM(M003) to AIMS Intercabinet Bus-4 Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-52102.

### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the right AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
- (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the IOM(M008) in the left AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
- (b) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from IOM(M003) to IOM(M008):

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- (a) Remove the IOM(M003) from the right AIMS cabinet and the IOM(M008) from the left AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Do a wiring check between these pins of IOM(M003) connector J240-A in the right AIMS cabinet and IOM(M008) connector J410-A in the left AIMS cabinet (SSM 31-41-27)(WDM 31-41-27):

| J240-A (R-AIMS)   | J410-A (L-AIMS) |
|-------------------|-----------------|
| pin G6 . . . . .  | pin G9          |
| pin G7 . . . . .  | pin G10         |
| pin G9 . . . . .  | pin G6          |
| pin G10 . . . . . | pin G7          |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) in the right AIMS cabinet and the IOM(M008) in the left AIMS cabinet. To install them, do this step: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) If the maintenance message does not show on the ground test display, you corrected the fault.

### — END OF TASK —

#### 819. Left AIMS IOM(M003) to AIMS Intercabinet Bus-2 Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-52111.

##### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
- (b) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from IOM(M003) to IOM(M008):
  - (a) Remove the IOM(M003) from the left AIMS cabinet and the IOM(M008) from the right AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of IOM(M003) connector J240-A in the left AIMS cabinet and IOM(M008) connector J410-A in the right AIMS cabinet (SSM 31-41-27)(WDM 31-41-27):

### J240-A (L-AIMS)

pin G9 .....  
pin G10 .....  
pin G6 .....  
pin G7 .....

### J410-A (R-AIMS)

pin G6  
pin G7  
pin G9  
pin G10

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) in the left AIMS cabinet and IOM(M008) in the right AIMS cabinet. To install them, do this step: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) If the maintenance message does not show on the ground test display, you corrected the fault.

### END OF TASK

## 820. Right AIMS IOM(M003) to Flt Ctrl 629 Bus-R Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-52112.

### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the right AIMS cabinet.

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31209, in the P212 panel.

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These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the IOM(M003) to the Flt Ctrl 629 Bus-R.

- (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM(M003) to the coupler:
  - (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31209 from the coupler, B31209.
  - (c) Do a wiring check between these pins of the IOM connector P3 and connector DB31209 at the P212 panel (WDM 31-41-26) (SSM 31-41-02):

| P3-B    | DB31209 |
|---------|---------|
| pin A11 | pin 5   |
| pin A12 | pin 4   |
| pin A8  | pin 2   |
| pin A9  | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
  - 2) Re-connect connector DB31209.
  - 3) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

### 821. Left AIMS IOM(M003) to System 629 Bus-C2 Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-52121.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

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Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
- (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31314, in the P313 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the IOM(M003) to the System 629 Bus-C2.

- (a) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM(M003) to the coupler:
  - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31314 from the coupler, B31314.
  - (c) Do a wiring check between these pins of the IOM connector P3 and connector DB31314 at the P313 panel (WDM 31-41-25) (SSM 31-41-02):

| P3-A   | DB31314 |
|--------|---------|
| pin E5 | pin 5   |
| pin E6 | pin 4   |
| pin E2 | pin 2   |
| pin E3 | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
  - 2) Re-connect connector DB31314.
  - 3) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

### 822. Right AIMS IOM(M003) to System 629 Bus-C2 Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-52122.

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### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31318, in the P313 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the IOM(M003) to the System 629 Bus-C2.

- (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM(M003) to the coupler:
  - (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31318 from the coupler, B31318.
  - (c) Do a wiring check between these pins of the IOM connector P3 and connector DB31318 at the P313 panel (WDM 31-41-26) (SSM 31-41-02):

| P3-A   | DB31318 |
|--------|---------|
| pin E5 | pin 5   |
| pin E6 | pin 4   |
| pin E2 | pin 2   |
| pin E3 | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
    - 2) Re-connect connector DB31318.
    - 3) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- 4) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

### 823. Left AIMS IOM(M003) Discrete Output 02 Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-53211.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring between the connectors for the AIMS IOM M003 and M004:
  - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J240 and J250(SSM 31-41-05):

|               |               |
|---------------|---------------|
| <b>J240-B</b> | <b>J250-B</b> |
| pin C2        | pin C2        |
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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824. Left AIMS IOM(M003) Discrete Output 05 Fault - Fault Isolation

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-53241.

**B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do these checks of the wiring:
- (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (d) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (e) Remove the left radio altimeter, M34112. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
- (f) Remove the right radio altimeter, M34212. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
- (g) Remove the center radio altimeter, M34312. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
- (h) Do a wiring check between these pins of the IOM connectors J240 and J250 in the right AIMS cabinet (SSM 31-41-08):

| J240-B | J250   |
|--------|--------|
| pin C5 | pin C5 |

- (i) Do a wiring check between these pins of the IOM connectors J240 and J250 in the left AIMS cabinet (SSM 31-41-05):

| J240-B | J250-B |
|--------|--------|
| pin C5 | pin C5 |

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- (j) Do a wiring check between these pins of the IOM connector J240 in the left AIMS cabinet and connector DM34112AB (WDM 31-61-41) (SSM 31-41-05):

| <b>J240-B</b>    | <b>DM34112AB</b> |
|------------------|------------------|
| pin C5 . . . . . | pin K6           |

- (k) Do a wiring check between these pins of the IOM connector J240 in the left AIMS cabinet and connector DM34212AB (WDM 31-61-41) (SSM 31-41-05):

| <b>J240-B</b>    | <b>DM34212AB</b> |
|------------------|------------------|
| pin C5 . . . . . | pin K6           |

- (l) Do a wiring check between these pins of the IOM connector J240 in the right AIMS cabinet and connector DM34212AB (WDM 31-61-41) (SSM 31-41-08):

| <b>J240-B</b>    | <b>DM34212AB</b> |
|------------------|------------------|
| pin C5 . . . . . | pin K6           |

- (m) Do a wiring check between these pins of the IOM connector J240 in the right AIMS cabinet and connector DM34312AB (WDM 31-61-41) (SSM 31-41-08):

| <b>J240-B</b>    | <b>DM34312AB</b> |
|------------------|------------------|
| pin C5 . . . . . | pin K6           |

- (n) If you find a problem with the wiring, then do these steps:

- 1) Repair the wiring.
- 2) Re-install the left radio altimeter, M34112. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
- 3) Re-install the right radio altimeter, M34212. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
- 4) Re-install the center radio altimeter, M34312. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
- 5) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 6) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 7) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 8) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 9) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

**825. Right AIMS IOM(M003) Discrete Output 05 Fault - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-53242.

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### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do these checks of the wiring:
    - (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
    - (b) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
    - (c) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
    - (d) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
    - (e) Remove the left radio altimeter, M34112. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
    - (f) Remove the right radio altimeter, M34212. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
    - (g) Remove the center radio altimeter, M34312. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
    - (h) Do a wiring check between these pins of the IOM connectors J240 and J250 in the left AIMS cabinet (SSM 31-41-05):

**J240-B**

pin C5 . . . . .

**J250-B**

pin C5

- (i) Do a wiring check between these pins of the IOM connectors J240 and J250 in the right AIMS cabinet (SSM 31-41-08):

**J240-B**

pin C5 . . . . .

**J250-B**

pin C5

- (j) Do a wiring check between these pins of the IOM connector J240 in the right AIMS cabinet and connector DM34312AB (WDM 31-61-41) (SSM 31-41-08):

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**J240-B** **DM34312AB**  
pin C5 ..... pin K6

- (k) Do a wiring check between these pins of the IOM connector J240 in the right AIMS cabinet and connector DM34212AB (WDM 31-61-41) (SSM 31-41-08):

**J240-B** ..... **DM34212AB**  
pin C5 ..... pin K6

- (l) Do a wiring check between these pins of the IOM connector J240 in the left AIMS cabinet and connector DM34212AB (WDM 31-61-41) (SSM 31-41-05):

**J240-B** **DM34212AB**  
pin C5 ..... pin K6

- (m) Do a wiring check between these pins of the IOM connector J240 in the left AIMS cabinet and connector DM34112AB (WDM 31-61-41) (SSM 31-41-05):

**J240-B** **DM34112AB**  
pin C5 ..... pin K6

- (n) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the left radio altimeter, M34112. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - 3) Re-install the right radio altimeter, M34212. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - 4) Re-install the center radio altimeter, M34312. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - 5) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 6) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 7) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 8) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 9) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

## 826. Left AIMS IOM(M003) Discrete Output 06 Fault - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-53251.

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### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the start switch solenoid:
  - (a) Remove the cargo fire/engine control panel, M80001. To remove it, do this task: APU Fire Switch Removal, AMM TASK 26-22-03-000-801.
  - (b) Do a check for a short between pins 7 and 8 on connector DS80200 of the start switch solenoid (WDM 80-11-21).
  - (c) If you find a short, replace the start switch solenoid, S80200.
    - 1) Re-install the cargo fire/engine control panel, M80001. To install it, do this task: APU Fire Switch Installation, AMM TASK 26-22-03-400-801.
    - 2) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
    - 3) If the maintenance message does not show on the ground test display, you corrected the fault.
    - 4) If the maintenance message shows on the ground test display, then continue.
  - (d) If you do not find a short, then continue.
- (3) Do these checks of the wiring:
  - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J240 and J250 in the left AIMS cabinet (SSM 31-41-05):

|                  |               |
|------------------|---------------|
| <b>J240-B</b>    | <b>J250-B</b> |
| pin C6 . . . . . | pin C6        |
  - (d) Do a wiring check between these pins of the IOM connector J240 in the left AIMS cabinet and connector DS80200 (WDM 31-41-38), (WDM 80-11-21), (SSM 31-41-05):

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**J240-B**

pin C6

**DS80200**

pin 7

- (e) If you find a problem with the wiring, then repair the wiring.
- (f) Re-install the cargo fire/engine control panel, M80001. To install it, do this task: APU Fire Switch Installation, AMM TASK 26-22-03-400-801.
- (g) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (h) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (i) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

## 827. Right AIMS IOM(M003) Discrete Output 06 Fault - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-53252.

### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the start switch solenoid:
  - (a) Remove the cargo fire/engine control panel, M80001. To remove it, do this task: APU Fire Switch Removal, AMM TASK 26-22-03-000-801.
  - (b) Do a check for a short between pins 7 and 8 on connector DS80200 of the start switch solenoid (WDM 80-11-21).
  - (c) If you find a short, replace the start switch solenoid, S80200.
    - 1) Re-install the cargo fire/engine control panel, M80001. To install it, do this task: APU Fire Switch Installation, AMM TASK 26-22-03-400-801.
    - 2) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.

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- 3) If the maintenance message does not show on the ground test display, you corrected the fault.
- 4) If the maintenance message shows on the ground test display, then continue.
- (d) If you do not find a short, then continue.
- (3) Do these checks of the wiring:
  - (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J240 and J250 in the right AIMS cabinet (SSM 31-41-08):

|                  |               |
|------------------|---------------|
| <b>J240-B</b>    | <b>J250-B</b> |
| pin C6 . . . . . | pin F15       |

- (d) Do a wiring check between these pins of the IOM connector J240 in the right AIMS cabinet and connector DS80200 (WDM 31-41-38), (WDM 80-11-21), (SSM 31-41-08):

|                  |                |
|------------------|----------------|
| <b>J240-B</b>    | <b>DS80200</b> |
| pin C6 . . . . . | pin 7          |

- (e) If you find a problem with the wiring, then repair the wiring.
- (f) Re-install the cargo fire/engine control panel, M80001. To install it, do this task: APU Fire Switch Installation, AMM TASK 26-22-03-400-801.
- (g) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (h) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (i) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 828. Left AIMS IOM(M004) Discrete Output 05 Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-55241.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M004) in the left AIMS cabinet.

These are the tasks:

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Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do these checks of the wiring:
  - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (d) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (e) Remove the left radio altimeter, M34112. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
  - (f) Remove the right radio altimeter, M34212. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
  - (g) Remove the center radio altimeter, M34312. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
  - (h) Do a wiring check between these pins of the IOM connectors J240 and J250 in the right AIMS cabinet (SSM 31-41-08):

|                  |               |
|------------------|---------------|
| <b>J240-B</b>    | <b>J250-B</b> |
| pin C5 . . . . . | pin C5        |

- (i) Do a wiring check between these pins of the IOM connectors J240 and J250 in the left AIMS cabinet (SSM 31-41-05):

|                  |               |
|------------------|---------------|
| <b>J240-B</b>    | <b>J250-B</b> |
| pin C5 . . . . . | pin C5        |

- (j) Do a wiring check between these pins of the IOM connector J250 in the left AIMS cabinet and connector DM34112AB (WDM 31-61-41):

|                  |                  |
|------------------|------------------|
| <b>J250-B</b>    | <b>DM34112AB</b> |
| pin C5 . . . . . | pin K6           |

- (k) Do a wiring check between these pins of the IOM connector J250 in the left AIMS cabinet and connector DM34212AB (WDM 31-61-41):

|                  |                  |
|------------------|------------------|
| <b>J250-B</b>    | <b>DM34212AB</b> |
| pin C5 . . . . . | pin K6           |

- (l) Do a wiring check between these pins of the IOM connector J250 in the right AIMS cabinet and connector DM34212AB (WDM 31-61-41):

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### J250-B

pin C5

### DM34212AB

pin K6

- (m) Do a wiring check between these pins of the IOM connector J250 in the right AIMS cabinet and connector DM34312AB (WDM 31-61-41):

### J250-B

pin C5

### DM34312AB

pin K6

- (n) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the left radio altimeter, M34112. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - 3) Re-install the right radio altimeter, M34212. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - 4) Re-install the center radio altimeter, M34312. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - 5) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 6) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 7) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 8) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 9) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

## 829. Right AIMS IOM(M004) Discrete Output 05 Fault - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-55242.

### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do these checks of the wiring:
  - (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (d) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (e) Remove the left radio altimeter, M34112. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
  - (f) Remove the right radio altimeter, M34212. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
  - (g) Remove the center radio altimeter, M34312. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
  - (h) Do a wiring check between these pins of the IOM connectors J240 and J250 in the left AIMS cabinet (SSM 31-41-05):

|               |               |
|---------------|---------------|
| <b>J240-B</b> | <b>J250-B</b> |
| pin C5        | pin C5        |

- (i) Do a wiring check between these pins of the IOM connectors J240 and J250 in the right AIMS cabinet (SSM 31-41-08):

|               |               |
|---------------|---------------|
| <b>J240-B</b> | <b>J250-B</b> |
| pin C5        | pin C5        |

- (j) Do a wiring check between these pins of the IOM connector J250 in the right AIMS cabinet and connector DM34312AB (WDM 31-61-41) (SSM 31-41-08):

|               |                  |
|---------------|------------------|
| <b>J250-B</b> | <b>DM34312AB</b> |
| pin C5        | pin K6           |

- (k) Do a wiring check between these pins of the IOM connector J250 in the right AIMS cabinet and connector DM34212AB (WDM 31-61-41) (SSM 31-41-08):

|               |                  |
|---------------|------------------|
| <b>J250-B</b> | <b>DM34212AB</b> |
| pin C5        | pin K6           |

- (l) Do a wiring check between these pins of the IOM connector J250 in the left AIMS cabinet and connector DM34212AB (WDM 31-61-41) (SSM 31-41-05):

|               |                  |
|---------------|------------------|
| <b>J250-B</b> | <b>DM34212AB</b> |
| pin C5        | pin K6           |

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- (m) Do a wiring check between these pins of the IOM connector J250 in the left AIMS cabinet and connector DM34112AB (WDM 31-61-41) (SSM 31-41-05):

| <b>J250-B</b>    | <b>DM34112AB</b> |
|------------------|------------------|
| pin C5 . . . . . | pin K6           |

- (n) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the left radio altimeter, M34112. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - 3) Re-install the right radio altimeter, M34212. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - 4) Re-install the center radio altimeter, M34312. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - 5) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 6) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 7) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 8) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 9) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 830. Left AIMS IOM(M004) Discrete Output 06 Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-55251.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M004) in the left AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.

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- (2) Do this check of the start switch solenoid:
- (a) Remove the cargo fire/engine control panel, M80001. To remove it, do this task: APU Fire Switch Removal, AMM TASK 26-22-03-000-801.
  - (b) Do a check for a short between pins 7 and 8 on connector DS80200 of the start switch solenoid (WDM 80-11-21).
  - (c) If you find a short, replace the start switch solenoid, S80200.
    - 1) Re-install the cargo fire/engine control panel, M80001. To install it, do this task: APU Fire Switch Installation, AMM TASK 26-22-03-400-801.
    - 2) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
    - 3) If the maintenance message does not show on the ground test display, you corrected the fault.
    - 4) If the maintenance message shows on the ground test display, then continue.
  - (d) If you do not find a short, then continue.
- (3) Do these checks of the wiring:
- (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J240 and J250 in the left AIMS cabinet (SSM 31-41-05):

|                  |               |
|------------------|---------------|
| <b>J240-B</b>    | <b>J250-B</b> |
| pin C6 . . . . . | pin C6        |
  - (d) Do a wiring check between these pins of the IOM connector J250 in the left AIMS cabinet and connector DS80200 (WDM 31-41-38), (WDM 80-11-21), (SSM 31-41-05):

|                  |                |
|------------------|----------------|
| <b>J250-B</b>    | <b>DS80200</b> |
| pin C6 . . . . . | pin 7          |
  - (e) If you find a problem with the wiring, then repair the wiring.
  - (f) Re-install the cargo fire/engine control panel, M80001. To install it, do this task: APU Fire Switch Installation, AMM TASK 26-22-03-400-801.
  - (g) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (h) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (i) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

——— END OF TASK ———

### 831. Right AIMS IOM(M004) Discrete Output 06 Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-55252.

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### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the start switch solenoid:
  - (a) Remove the cargo fire/engine control panel, M80001. To remove it, do this task: APU Fire Switch Removal, AMM TASK 26-22-03-000-801.
  - (b) Do a check for a short between pins 7 and 8 on connector DS80200 of the start switch solenoid (WDM 80-11-21).
  - (c) If you find a short, replace the start switch solenoid, S80200.
    - 1) Re-install the cargo fire/engine control panel, M80001. To install it, do this task: APU Fire Switch Installation, AMM TASK 26-22-03-400-801.
    - 2) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
    - 3) If the maintenance message does not show on the ground test display, you corrected the fault.
    - 4) If the maintenance message shows on the ground test display, then continue.
  - (d) If you do not find a short, then continue.
- (3) Do these checks of the wiring:
  - (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J240 and J250 in the right AIMS cabinet (SSM 31-41-08):

|               |               |
|---------------|---------------|
| <b>J240-B</b> | <b>J250-B</b> |
| pin C6        | pin C6        |
  - (d) Do a wiring check between these pins of the IOM connector J250 in the right AIMS cabinet and connector DS80200 (WDM 31-41-38), (WDM 80-11-21), (SSM 31-41-08):

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**J250-B**

pin C6

**DS80200**

pin 7

- (e) If you find a problem with the wiring, then repair the wiring.
- (f) Re-install the cargo fire/engine control panel, M80001. To install it, do this task: APU Fire Switch Installation, AMM TASK 26-22-03-400-801.
- (g) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (h) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (i) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

## 832. Left AIMS IOM(M003) Module Input/Output Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-52601, 31-53401, 31-53701, 31-53711, 31-53721, 31-53731.

### B. Description

The Left Airplane Information Management System (AIMS) Input/Output Module (IOM) (M003) input/output problems can be caused by a faulty IOM or a faulty EOQ sensor.

### C. Possible Causes

- (1) IOM (M003), M31101M003.
- (2) Engine Oil Quantity sensor/transmitter, M79001

### D. Circuit Breakers

- (1) These are the primary circuit breakers related to the fault:

#### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

#### Standby Power Management Panel, P310

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| J          | 6          | C31651        | AIMS L      |
| J          | 7          | C31650        | AIMS R      |

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### E. Related Data

- (1) WDM 79-31-11
- (2) SSM 31-41-05
- (3) SSM 31-41-07

### F. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do the ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
  - (a) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### G. Fault Isolation Procedure

- (1) Replace the IOM(M003), M31101M003, in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) Do the Repair Confirmation at the end of this task.
- (2) Do these steps to do an AIMS Cabinet Reset test for the AIMS cabinet:
  - (a) Use the MAT or PMAT to do the left AIMS Cabinet Reset Test. (Airplane Information Management System (AIMS) - Operational Test, AMM TASK 31-41-00-710-801)
  - (b) Check the existing fault in the Left AIMS. If there is no fault. Check the existing fault in the Right AIMS. If maintenance messages toggled, then the fault is in the Oil quantity sensor.
    - 1) Proceed to the next step to replace the oil quantity sensor.
- (3) Replace the Left oil quantity transmitter, M79001 (AMM PAGEBLOCK 79-31-01/401).
  - (a) Do the Repair Confirmation at the end of this task.
- (4) Replace the Right oil quantity transmitter, M79001 (AMM PAGEBLOCK 79-31-01/401).
  - (a) Do the Repair Confirmation at the end of this task.

### H. Repair Confirmation

- (1) Do the ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message, then you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue the Fault Isolation Procedure at the subsequent step.

————— END OF TASK —————

## 833. Right AIMS IOM(M003) Module Input/Output Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-52602, 31-53402, 31-53702, 31-53712, 31-53722, 31-53732.

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### B. Description

The Right AIMS IOM (M003) input/output problems can be caused by a faulty IOM or a faulty EOQ sensor.

### C. Possible Causes

- (1) IOM (M003), M31201M003
- (2) Engine Oil Quantity sensor/transmitter, M79001

### D. Circuit Breakers

- (1) These are the primary circuit breakers related to the fault:

#### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

#### Standby Power Management Panel, P310

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| J          | 6          | C31651        | AIMS L      |
| J          | 7          | C31650        | AIMS R      |

### E. Related Data

- (1) WDM 79-31-11
- (2) SSM 31-41-05
- (3) SSM 31-41-07

### F. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do the ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
  - (a) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### G. Fault Isolation Procedure

- (1) Replace the IOM(M003), M31201M003, in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) Do the Repair Confirmation at the end of this task.
- (2) Do these steps to do an AIMS Cabinet Reset test for the AIMS cabinet:

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- (a) Use the MAT or PMAT to do the right AIMS Cabinet Reset Test. (Airplane Information Management System (AIMS) - Operational Test, AMM TASK 31-41-00-710-801)
- (b) Check the existing fault in the Right AIMS. If there is no fault. Check the existing fault in the Left AIMS. If maintenance messages toggled, then the fault is in the Oil quantity sensor.
  - 1) Proceed to the next step to replace the oil quantity sensor.
- (3) Replace the Right oil quantity transmitter, M79001 (AMM PAGEBLOCK 79-31-01/401).
  - (a) Do the Repair Confirmation at the end of this task.
- (4) Replace the Left oil quantity transmitter, M79001 (AMM PAGEBLOCK 79-31-01/401).
  - (a) Do the Repair Confirmation at the end of this task.

### H. Repair Confirmation

- (1) Do the ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message, then you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue the Fault Isolation Procedure at the subsequent step.

### — END OF TASK —

## 834. Left AIMS IOM(M004) to Flt Ctrl 629 Bus-R Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-54101.

### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31206, in the P212 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the IOM(M004) to the Flt Ctrl 629 Bus-R.

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- (a) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM(M004) to the coupler:
  - (a) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31206 from the coupler, B31206.
  - (c) Do a wiring check between these pins of the IOM connector P4 and connector DB31206 at the P212 panel (WDM 31-41-25):

| P4-B   | DB31206 |
|--------|---------|
| pin A5 | pin 5   |
| pin A6 | pin 4   |
| pin A2 | pin 2   |
| pin A3 | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
  - 2) Re-connect connector DB31206.
  - 3) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the maintenance message does not show on the ground test display, you corrected the fault.

### END OF TASK

#### 835. Right AIMS IOM(M004) to Flt Ctrl 629 Bus-R Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-54102.

##### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the IOM(M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.

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- (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31208, in the P212 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the IOM(M004) to the Flt Ctrl 629 Bus-R.
- (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM(M004) to the coupler:
- (a) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Disconnect connector DB31208 from the coupler, B31208.
- (c) Do a wiring check between these pins of the IOM connector P4 and connector DB31208 at the P212 panel (WDM 31-41-26):

| P4-B   | DB31208 |
|--------|---------|
| pin A5 | pin 5   |
| pin A6 | pin 4   |
| pin A2 | pin 2   |
| pin A3 | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
  - 2) Re-connect connector DB31208.
  - 3) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

### 836. Left AIMS IOM(M004) to AIMS Intercabinet Bus-3 Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-54111.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Replace the IOM(M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.

- (b) If the maintenance message shows on the ground test display, then continue.

- (2) Replace the IOM(M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.

- (b) If the maintenance message shows on the ground test display, then continue.

- (3) Do this check of the wiring from the IOM(M004) (left AIMS) to IOM(M004) (right AIMS):

- (a) Remove the IOM(M004) from the left and right AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.

- (b) Do a wiring check between these pins of the IOM(M004) connector J250-A in the left AIMS cabinet and IOM(M004) connector J250-A in the right AIMS cabinet (SSM 31-41-27)(WDM 31-41-27):

#### J250-A (L-AIMS)

pin G9 .....  
pin G10 .....  
pin G6 .....  
pin G7 .....

#### J250-A (R-AIMS)

pin G6  
pin G7  
pin G9  
pin G10

- (c) If you find a problem with the wiring, then do these steps:

- 1) Repair the wiring.

- 2) Re-install the IOM(M004) into the left and right AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- 3) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

### 837. Right AIMS IOM(M004) to AIMS Intercabinet Bus-3 Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-54112.

#### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM (M004) in Right AIMS Module Reset.

- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.

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- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.

- (b) If the maintenance message shows on the ground test display, then continue.

- (2) Replace the IOM(M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.

- (b) If the maintenance message shows on the ground test display, then continue.

- (3) Do this check of the wiring from the IOM(M004) (left AIMS) to IOM(M004) (right AIMS):

- (a) Remove the IOM(M004) from the left and right AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.

- (b) Do a wiring check between these pins of the IOM(M004) connector J250-A in the left AIMS cabinet and IOM(M004) connector J250-A in the right AIMS cabinet (SSM 31-41-27)(WDM 31-41-27):

#### J250-A (L-AIMS)

pin G9 ..... pin G6  
pin G10 ..... pin G7  
pin G6 ..... pin G9  
pin G7 ..... pin G10

#### J250-A (R-AIMS)

- (c) If you find a problem with the wiring, then do these steps:

- 1) Repair the wiring.
- 2) Re-install the IOM(M004) into the left and right AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

### 838. Left AIMS IOM(M004) to System 629 Bus-R Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-54121.

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### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM (M004) in Left AIMS Module Reset (Airplane Information Management System (AIMS) - Operational Test, AMM TASK 31-41-00-710-801).
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM (M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31211, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the IOM (M004) to the System 629 Bus-R.

- (a) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM (M004) in Left AIMS Module Reset (Airplane Information Management System (AIMS) - Operational Test, AMM TASK 31-41-00-710-801).
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM (M004) to the coupler:
  - (a) Remove the IOM (M004) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31211 from the coupler, B31211.
  - (c) Do a wiring check between these pins of the IOM connector J250 and connector DB31211 at the P211 panel (WDM 31-41-25):

| J250-A | DB31211 |
|--------|---------|
| pin B2 | pin 5   |
| pin A3 | pin 4   |
| pin E2 | pin 2   |
| pin E3 | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
    - 2) Re-connect connector DB31211.

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- 3) Re-install the IOM (M004) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

### 839. Right AIMS IOM(M004) to System 629 Bus-R Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-54122.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31214, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the IOM(M004) to the System 629 Bus-R.

- (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM(M004) to the coupler:
  - (a) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31214 from the coupler, B31214.
  - (c) Do a wiring check between these pins of the IOM connector J250 and connector DB31214 at the P211 panel (WDM 31-41-26):

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| J250-A       | DB31214 |
|--------------|---------|
| pin B2 ..... | pin 5   |
| pin A3 ..... | pin 4   |
| pin E2 ..... | pin 2   |
| pin E3 ..... | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
  - 2) Re-connect connector DB31214.
  - 3) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the maintenance message does not show on the ground test display, you corrected the fault.

### — END OF TASK —

#### 840. Left AIMS IOM(M004) Module Input/Output Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-54601, 31-55401, 31-55701, 31-55711, 31-55721, 31-55731.

##### B. Description

The Left AIMS IOM (M004) input/output problems can be caused by a faulty IOM or a faulty EOQ sensor.

##### C. Possible Causes

- (1) IOM (M004), M31101M004
- (2) Engine Oil Quantity sensor/transmitter, M79001

##### D. Circuit Breakers

- (1) These are the primary circuit breakers related to the fault:

##### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

##### Standby Power Management Panel, P310

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| J          | 6          | C31651        | AIMS L      |
| J          | 7          | C31650        | AIMS R      |

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### E. Related Data

- (1) WDM 79-31-11
- (2) SSM 31-41-05
- (3) SSM 31-41-07

### F. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do the ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
  - (a) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### G. Fault Isolation Procedure

- (1) Replace the IOM(M004), M31101M004, in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) Do the Repair Confirmation at the end of this task.
- (2) Do these steps to do an AIMS Cabinet Reset test for the AIMS cabinet:
  - (a) Use the MAT or PMAT to do the left AIMS Cabinet Reset Test. (Airplane Information Management System (AIMS) - Operational Test, AMM TASK 31-41-00-710-801)
  - (b) Check the existing fault in the Left AIMS. If there is no fault. Check the existing fault in the Right AIMS. If maintenance messages toggled, then the fault is in the Oil quantity sensor.
    - 1) Proceed to the next step to replace the oil quantity sensor.
- (3) Replace the Left oil quantity transmitter, M79001 (AMM PAGEBLOCK 79-31-01/401).
  - (a) Do the Repair Confirmation at the end of this task.
- (4) Replace the Right oil quantity transmitter, M79001 (AMM PAGEBLOCK 79-31-01/401).
  - (a) Do the Repair Confirmation at the end of this task.

### H. Repair Confirmation

- (1) Do the ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message, then you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue the Fault Isolation Procedure at the subsequent step.

————— END OF TASK —————

## 841. Right AIMS IOM(M004) Module Input/Output Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-54602, 31-55402, 31-55702, 31-55712, 31-55722, 31-55732.

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### B. Description

The Right AIMS IOM (M004) input/output problems can be caused by a faulty IOM or a faulty EOQ sensor.

### C. Possible Causes

- (1) IOM (M004), M31201M004
- (2) Engine Oil Quantity sensor/transmitter, M79001

### D. Circuit Breakers

- (1) These are the primary circuit breakers related to the fault:

#### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

#### Standby Power Management Panel, P310

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| J          | 6          | C31651        | AIMS L      |
| J          | 7          | C31650        | AIMS R      |

### E. Related Data

- (1) WDM 79-31-11
- (2) SSM 31-41-05
- (3) SSM 31-41-07

### F. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do the ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
  - (a) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### G. Fault Isolation Procedure

- (1) Replace the IOM(M004), M31201M004, in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (2) Do these steps to do an AIMS Cabinet Reset test for the AIMS cabinet:

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## 31-41 TASK 841

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- (a) Use the MAT or PMAT to do the right AIMS Cabinet Reset Test. (Airplane Information Management System (AIMS) - Operational Test, AMM TASK 31-41-00-710-801)
- (b) Check the existing fault in the Right AIMS. If there is no fault. Check the existing fault in the Left AIMS. If maintenance messages toggled, then the fault is in the Oil quantity sensor.
  - 1) Proceed to the next step to replace the oil quantity sensor.
- (3) Replace the Right oil quantity transmitter, M79001 (AMM PAGEBLOCK 79-31-01/401).
  - (a) Do the Repair Confirmation at the end of this task.
- (4) Replace the Left oil quantity transmitter, M79001 (AMM PAGEBLOCK 79-31-01/401).
  - (a) Do the Repair Confirmation at the end of this task.

### H. Repair Confirmation

- (1) Do the ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message, then you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue the Fault Isolation Procedure at the subsequent step.

### — END OF TASK —

## 842. Left AIMS IOM(M008) Module Input/Output Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-56601, 31-57401, 31-57701, 31-57711, 31-57721, 31-57731.

### B. Description

The Left AIMS IOM (M008) input/output problems can be caused by a faulty IOM or a faulty EOQ sensor.

### C. Possible Causes

- (1) IOM (M008), M31101M008
- (2) Engine Oil Quantity sensor/transmitter, M79001

### D. Circuit Breakers

- (1) These are the primary circuit breakers related to the fault:

#### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

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### Standby Power Management Panel, P310

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| J          | 6          | C31651        | AIMS L      |
| J          | 7          | C31650        | AIMS R      |

#### E. Related Data

- (1) WDM 79-31-11
- (2) SSM 31-41-05
- (3) SSM 31-41-07

#### F. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do the ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
  - (a) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### G. Fault Isolation Procedure

- (1) Replace the IOM(M008), M31101M008, in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) Do the Repair Confirmation at the end of this task.
- (2) Do these steps to do an AIMS Cabinet Reset test for the AIMS cabinet:
  - (a) Use the MAT or PMAT to do the left AIMS Cabinet Reset Test. (Airplane Information Management System (AIMS) - Operational Test, AMM TASK 31-41-00-710-801)
  - (b) Check the existing fault in the Left AIMS. If there is no fault. Check the existing fault in the Right AIMS. If maintenance messages toggled, then the fault is in the Oil quantity sensor.
    - 1) Proceed to the next step to replace the oil quantity sensor.
- (3) Replace the Left oil quantity transmitter, M79001 (AMM PAGEBLOCK 79-31-01/401).
  - (a) Do the Repair Confirmation at the end of this task.
- (4) Replace the Right oil quantity transmitter, M79001 (AMM PAGEBLOCK 79-31-01/401).
  - (a) Do the Repair Confirmation at the end of this task.

#### H. Repair Confirmation

- (1) Do the ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message, then you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue the Fault Isolation Procedure at the subsequent step.

————— END OF TASK —————

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## 31-41 TASK 842

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### 843. Right AIMS IOM(M008) Module Input/Output Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-56602, 31-57402, 31-57702, 31-57712, 31-57722, 31-57732.

#### B. Description

The Right AIMS IOM (M008) input/output problems can be caused by a faulty IOM or a faulty EOQ sensor.

#### C. Possible Causes

- (1) IOM (M008), M31201M008
- (2) Engine Oil Quantity sensor/transmitter, M79001

#### D. Circuit Breakers

- (1) These are the primary circuit breakers related to the fault:

##### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

##### Standby Power Management Panel, P310

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| J          | 6          | C31651        | AIMS L      |
| J          | 7          | C31650        | AIMS R      |

#### E. Related Data

- (1) WDM 79-31-11
- (2) SSM 31-41-05
- (3) SSM 31-41-07

#### F. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do the ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
  - (a) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### G. Fault Isolation Procedure

- (1) Replace the IOM(M008), M31201M008, in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

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Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) Do the Repair Confirmation at the end of this task.
- (2) Do these steps to do an AIMS Cabinet Reset test for the AIMS cabinet:
  - (a) Use the MAT or PMAT to do the right AIMS Cabinet Reset Test. (Airplane Information Management System (AIMS) - Operational Test, AMM TASK 31-41-00-710-801)
  - (b) Check the existing fault in the Right AIMS. If there is no fault. Check the existing fault in the Left AIMS. If maintenance messages toggled, then the fault is in the Oil quantity sensor.
    - 1) Proceed to the next step to replace the oil quantity sensor.
- (3) Replace the Right oil quantity transmitter, M79001 (AMM PAGEBLOCK 79-31-01/401).
  - (a) Do the Repair Confirmation at the end of this task.
- (4) Replace the Left oil quantity transmitter, M79001 (AMM PAGEBLOCK 79-31-01/401).
  - (a) Do the Repair Confirmation at the end of this task.

### H. Repair Confirmation

- (1) Do the ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message, then you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue the Fault Isolation Procedure at the subsequent step.

### END OF TASK

## 844. Left AIMS IOM(M008) to AIMS Intercabinet Bus-4 Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-56101.

### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
- (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the IOM(M003) in the right AIMS cabinet.

These are the tasks:

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Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
- (b) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from IOM(M003) to IOM(M008):
  - (a) Remove the IOM(M003) from the right AIMS cabinet and the IOM(M008) from the left AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of IOM(M003) connector J240-A in the right AIMS cabinet and IOM(M008) connector J410-A in the left AIMS cabinet (SSM 31-41-27)(WDM 31-41-27):

### J240-A (R-AIMS)

|         |       |         |
|---------|-------|---------|
| pin G6  | ..... | pin G9  |
| pin G7  | ..... | pin G10 |
| pin G9  | ..... | pin G6  |
| pin G10 | ..... | pin G7  |

### J410-A (L-AIMS)

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) in the right AIMS cabinet and the IOM(M008) in the left AIMS cabinet. To install them, do this step: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

## 845. Right AIMS IOM(M008) to Flt Ctrl 629 Bus-C Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-56102.

### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.

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- (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31310, in the P312 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the IOM(M008) to the Flt Ctrl 629 Bus-C.
- (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM(M008) to the coupler:
- (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Disconnect connector DB31310 from the coupler, B31310.
- (c) Do a wiring check between these pins of the IOM connector J410 and connector DB31310 at the P312 panel (WDM 31-41-26):

| J410-A       | DB31310 |
|--------------|---------|
| pin G3 ..... | pin 5   |
| pin G4 ..... | pin 4   |
| pin G1 ..... | pin 2   |
| pin G2 ..... | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
  - 2) Re-connect connector DB31310.
  - 3) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

### 846. Left AIMS IOM(M008) to Flt Ctrl 629 Bus-L Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-56111.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

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## 31-41 TASKS 845-846

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### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
- (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31108, in the P112 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the IOM(M008) to the Flt Ctrl 629 Bus-L.

- (a) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM(M008) to the coupler:
- (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Disconnect connector DB31108 from the coupler, B31108.
- (c) Do a wiring check between these pins of the IOM connector J410 and connector DB31108 at the P112 panel (WDM 31-41-25):

| J410-A | DB31108 |
|--------|---------|
| pin G3 | pin 5   |
| pin G4 | pin 4   |
| pin G1 | pin 2   |
| pin G2 | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
- 2) Re-connect connector DB31108.
- 3) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

### 847. Right AIMS IOM(M008) to AIMS Intercabinet Bus-2 Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-56112.

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### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (b) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from IOM(M003) to IOM(M008):
  - (a) Remove the IOM(M003) from the left AIMS cabinet and the IOM(M008) from the right AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of IOM(M003) connector J240-A in the left AIMS cabinet and IOM(M008) connector J410-A in the right AIMS cabinet (SSM 31-41-27)(WDM 31-41-27):

#### J240-A (L-AIMS)

|         |       |
|---------|-------|
| pin G9  | ..... |
| pin G10 | ..... |
| pin G6  | ..... |
| pin G7  | ..... |

#### J410-A (R-AIMS)

|         |
|---------|
| pin G6  |
| pin G7  |
| pin G9  |
| pin G10 |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) in the left AIMS cabinet and IOM(M008) in the right AIMS cabinet. To install them, do this step: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

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### 848. Left AIMS IOM(M008) to System 629 Bus-C1 Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-56121.

#### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31312, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the IOM(M008) to the System 629 Bus-C1.

- (a) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM(M008) to the coupler:
  - (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31312 from the coupler, B31312.
  - (c) Do a wiring check between these pins of the IOM connector J410 and connector DB31312 at the P311 panel (WDM 31-41-25):

| J410-B | DB31312 |
|--------|---------|
| pin G3 | pin 5   |
| pin G4 | pin 4   |
| pin G1 | pin 2   |
| pin G2 | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Replace the ARINC 629 wiring (SWPM 20-13-00).

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- 2) Re-connect connector DB31312.
- 3) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

### 849. Right AIMS IOM(M008) to System 629 Bus-C1 Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-56122.

#### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31317, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the IOM(M008) to the System 629 Bus-C1.

- (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM(M008) to the coupler:
  - (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31317 from the coupler, B31317.
  - (c) Do a wiring check between these pins of the IOM connector J410 and connector DB31317 at the P311 panel (WDM 31-41-26):

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| J410-B       | DB31317 |
|--------------|---------|
| pin G3 ..... | pin 5   |
| pin G4 ..... | pin 4   |
| pin G1 ..... | pin 2   |
| pin G2 ..... | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
  - 2) Re-connect connector DB31317.
  - 3) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the maintenance message does not show on the ground test display, you corrected the fault.

### — END OF TASK —

#### 850. Left AIMS IOM(M008) Discrete Output 06 Fault - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-57251.

##### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the left AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the start switch solenoid:
- (a) Remove the cargo fire/engine control panel, M80001. To remove it, do this task: APU Fire Switch Removal, AMM TASK 26-22-03-000-801.
- (b) Do a check for a short between pins 7 and 8 on connector DS80100 of the start switch solenoid (WDM 80-11-11).
- (c) If you find a short, replace the start switch solenoid, S80100.
- 1) Re-install the cargo fire/engine control panel, M80001. To install it, do this task: APU Fire Switch Installation, AMM TASK 26-22-03-400-801.
  - 2) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.

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- 3) If the maintenance message does not show on the ground test display, you corrected the fault.
- 4) If the maintenance message shows on the ground test display, then continue.
- (d) If you do not find a short, then continue.
- (3) Do these checks of the wiring:
  - (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J410 and J420 in the left AIMS cabinet (SSM 31-41-04):

|                  |               |
|------------------|---------------|
| <b>J410-B</b>    | <b>J420-B</b> |
| pin C6 . . . . . | pin C6        |
  - (d) Do a wiring check between these pins of the IOM connector J410 in the left AIMS cabinet and connector DS80100 (WDM 31-41-38), (WDM 80-11-11), (SSM 31-41-04):

|                  |                |
|------------------|----------------|
| <b>J410-B</b>    | <b>DS80100</b> |
| pin C6 . . . . . | pin 7          |
  - (e) If you find a problem with the wiring, then repair the wiring.
  - (f) Re-install the cargo fire/engine control panel, M80001. To install it, do this task: APU Fire Switch Installation, AMM TASK 26-22-03-400-801.
  - (g) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (h) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (i) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 851. Right AIMS IOM(M008) Discrete Output 06 Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-57252.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

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Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the start switch solenoid:
  - (a) Remove the cargo fire/engine control panel, M80001. To remove it, do this task: APU Fire Switch Removal, AMM TASK 26-22-03-000-801.
  - (b) Do a check for a short between pins 7 and 8 on connector DS80100 of the start switch solenoid (WDM 80-11-11).
  - (c) If you find a short, replace the start switch solenoid, S80100.
    - 1) Re-install the cargo fire/engine control panel, M80001. To install it, do this task: APU Fire Switch Installation, AMM TASK 26-22-03-400-801.
    - 2) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
    - 3) If the maintenance message does not show on the ground test display, you corrected the fault.
    - 4) If the maintenance message shows on the ground test display, then continue.
  - (d) If you do not find a short, then continue.
- (3) Do these checks of the wiring:
  - (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J410 and J420 in the right AIMS cabinet (SSM 31-41-07):

|                  |               |
|------------------|---------------|
| <b>J410-B</b>    | <b>J420-B</b> |
| pin C6 . . . . . | pin C6        |
  - (d) Do a wiring check between these pins of the IOM connector J410 in the right AIMS cabinet and connector DS80100 (WDM 31-41-38), (WDM 80-11-11), (SSM 31-41-07):

|                  |                |
|------------------|----------------|
| <b>J410-B</b>    | <b>DS80100</b> |
| pin C6 . . . . . | pin 7          |
  - (e) If you find a problem with the wiring, then repair the wiring.
  - (f) Re-install the cargo fire/engine control panel, M80001. To install it, do this task: APU Fire Switch Installation, AMM TASK 26-22-03-400-801.
  - (g) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (h) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (i) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 852. Left AIMS IOM(M009) to Flt Ctrl 629 Bus-L Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-58101.

##### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31107, in the P112 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the IOM(M009) to the Flt Ctrl 629 Bus-L.

  - (a) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM(M009) to the coupler:
  - (a) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31107 from the coupler, B31107.
  - (c) Do a wiring check between these pins of the IOM connector J420 and connector DB31107 at the P112 panel (WDM 31-41-25):



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| J420-A       | DB31107 |
|--------------|---------|
| pin G3 ..... | pin 5   |
| pin G4 ..... | pin 4   |
| pin G1 ..... | pin 2   |
| pin G2 ..... | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
  - 2) Re-connect connector DB31107.
  - 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the maintenance message does not show on the ground test display, you corrected the fault.

### — END OF TASK —

#### 853. Right AIMS IOM(M009) to Flt Ctrl 629 Bus-L Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-58102.

##### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
- (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31111, in the P112 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the IOM(M009) to the Flt Ctrl 629 Bus-L.

- (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.

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- (c) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM(M009) to the coupler:
  - (a) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31111 from the coupler, B31111.
  - (c) Do a wiring check between these pins of the IOM connector J420 and connector DB31111 at the P112 panel (WDM 31-41-26):

| J420-A | DB31111 |
|--------|---------|
| pin G3 | pin 5   |
| pin G4 | pin 4   |
| pin G1 | pin 2   |
| pin G2 | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
  - 2) Re-connect connector DB31111.
  - 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

### 854. Left AIMS IOM(M009) to AIMS Intercabinet Bus-1 Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-58111.

#### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
- (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

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Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
- (b) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM(M009) (left AIMS) to IOM(M009) (right AIMS):
  - (a) Remove the IOM(M009) from the left and right AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM(M009) connector J420-A in the left AIMS cabinet and IOM(M009) connector J420-A in the right AIMS cabinet (SSM 31-41-27)(WDM 31-41-27):

| <b>J420-A (L-AIMS)</b> | <b>J420-A (R-AIMS)</b> |
|------------------------|------------------------|
| pin G9 . . . . .       | pin G6                 |
| pin G10 . . . . .      | pin G7                 |
| pin G6 . . . . .       | pin G9                 |
| pin G7 . . . . .       | pin G10                |
- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) into the left and right AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

### **855. Right AIMS IOM(M009) to AIMS Intercabinet Bus-1 Problems - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-58112.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
- (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the IOM(M009) in the left AIMS cabinet.

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These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
- (b) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM(M009) (left AIMS) to IOM(M009) (right AIMS):
  - (a) Remove the IOM(M009) from the left and right AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM(M009) connector J420-A in the left AIMS cabinet and IOM(M009) connector J420-A in the right AIMS cabinet (SSM 31-41-27)(WDM 31-41-27):

### J420-A (L-AIMS)

pin G9 .....  
pin G10 .....  
pin G6 .....  
pin G7 .....

### J420-A (R-AIMS)

pin G6  
pin G7  
pin G9  
pin G10

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) into the left and right AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) If the maintenance message does not show on the ground test display, you corrected the fault.

### END OF TASK

## 856. Left AIMS IOM(M009) to System 629 Bus-L Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-58121.

### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.

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- (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31112, in the P111 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the IOM(M009) to the System 629 Bus-L.
- (a) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM(M009) to the coupler:
- (a) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Disconnect connector DB31112 from the coupler, B31112.
- (c) Do a wiring check between these pins of the IOM connector J420 and connector DB31112 at the P111 panel (WDM 31-41-25):
- | <b>J420-B</b> | <b>DB31112</b> |
|---------------|----------------|
| pin G3 .....  | pin 5          |
| pin G4 .....  | pin 4          |
| pin G1 .....  | pin 2          |
| pin G2 .....  | pin 1          |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
  - 2) Re-connect connector DB31112.
  - 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

### 857. Right AIMS IOM(M009) to System 629 Bus-L Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-58122.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Replace the IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
- (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31116, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the IOM(M009) to the System 629 Bus-L.

- (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM(M009) to the coupler:
- (a) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Disconnect connector DB31116 from the coupler, B31116.
- (c) Do a wiring check between these pins of the IOM connector J420 and connector DB31116 at the P111 panel (WDM 31-41-25):

| J420-B | DB31116 |
|--------|---------|
| pin G3 | pin 5   |
| pin G4 | pin 4   |
| pin G1 | pin 2   |
| pin G2 | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
- 2) Re-connect connector DB31116.
- 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

### 858. Left AIMS IOM(M009) Module Input/Output Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-59701, 31-59711, 31-59721, 31-59731.

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**B. Fault Isolation Procedure**

- (1) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**859. Right AIMS IOM(M009) Module Input/Output Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-59702, 31-59712, 31-59722, 31-59732.

**B. Fault Isolation Procedure**

- (1) Replace the IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**860. Left AIMS IOM(M009) Discrete Output 06 Fault - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-59251.

**B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the start switch solenoid:
  - (a) Remove the cargo fire/engine control panel, M80001. To remove it, do this task: APU Fire Switch Removal, AMM TASK 26-22-03-000-801.

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- (b) Do a check for a short between pins 7 and 8 on connector DS80100 of the start switch solenoid (WDM 80-11-11).
- (c) If you find a short, replace the start switch solenoid, S80100.
  - 1) Re-install the cargo fire/engine control panel, M80001. To install it, do this task: APU Fire Switch Installation, AMM TASK 26-22-03-400-801.
  - 2) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
  - 3) If the maintenance message does not show on the ground test display, you corrected the fault.
  - 4) If the maintenance message shows on the ground test display, then continue.
- (d) If you do not find a short, then continue.
- (3) Do these checks of the wiring:
  - (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J410 and J420 in the left AIMS cabinet (SSM 31-41-04):

|                  |               |
|------------------|---------------|
| <b>J410-B</b>    | <b>J420-B</b> |
| pin C6 . . . . . | pin C6        |
  - (d) Do a wiring check between these pins of the IOM connector J420 in the left AIMS cabinet and connector DS80100 (WDM 31-41-38), (WDM 80-11-11), (SSM 31-41-04):

|                  |                |
|------------------|----------------|
| <b>J420-B</b>    | <b>DS80100</b> |
| pin C6 . . . . . | pin 7          |
  - (e) If you find a problem with the wiring, then repair the wiring.
  - (f) Re-install the cargo fire/engine control panel, M80001. To install it, do this task: APU Fire Switch Installation, AMM TASK 26-22-03-400-801.
  - (g) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (h) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (i) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

——— **END OF TASK** ———

**861. Right AIMS IOM(M009) Discrete Output 06 Fault - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-59252.

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### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the start switch solenoid:
  - (a) Remove the cargo fire/engine control panel, M80001. To remove it, do this task: APU Fire Switch Removal, AMM TASK 26-22-03-000-801.
  - (b) Do a check for a short between pins 7 and 8 on connector DS80100 of the start switch solenoid (WDM 80-11-11).
  - (c) If you find a short, replace the start switch solenoid, S80100.
    - 1) Re-install the cargo fire/engine control panel, M80001. To install it, do this task: APU Fire Switch Installation, AMM TASK 26-22-03-400-801.
    - 2) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
    - 3) If the maintenance message does not show on the ground test display, you corrected the fault.
    - 4) If the maintenance message shows on the ground test display, then continue.
  - (d) If you do not find a short, then continue.
- (3) Do these checks of the wiring:
  - (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J410 and J420 in the right AIMS cabinet (SSM 31-41-07):

|                  |               |
|------------------|---------------|
| <b>J410-B</b>    | <b>J420-B</b> |
| pin C6 . . . . . | pin C6        |
  - (d) Do a wiring check between these pins of the IOM connector J420 in the right AIMS cabinet and connector DS80100 (WDM 31-41-38), (WDM 80-11-11), (SSM 31-41-07):

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**J420-B**

pin C6 . . . . .

**DS80100**

pin 7

- (e) If you find a problem with the wiring, then repair the wiring.
- (f) Re-install the cargo fire/engine control panel, M80001. To install it, do this task: APU Fire Switch Installation, AMM TASK 26-22-03-400-801.
- (g) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (h) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (i) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

## 862. Data Conversion Gateway #1 in Left AIMS has a Hardware Problem - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-61031.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the CPM/GG(M010) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/GG(M011) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

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Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 863. Left AIMS IOM(M003) Discrete Output 09 Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-53281.

#### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J240 and J250 in the left AIMS cabinet (SSM 31-41-05):

**J240-B**

**J250-B**

pin D3 . . . . . pin D3

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows ACTIVE for the maintenance message, then continue.
- (e) If you do not find a problem with the wiring, then continue.

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- 1) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:
  - (a) Remove the center VHF communication transceiver, M23303. To remove it, do this task:  
VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J240 in the left AIMS cabinet and connector DM23303AB (WDM 23-12-31) (SSM 31-41-05):

| J240-B           | DM23303AB |
|------------------|-----------|
| pin D3 . . . . . | pin C7    |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the center VHF communication transceiver, M23303. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 3) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 864. Right AIMS IOM(M003) Discrete Output 09 Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-53282.

#### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the right AIMS cabinet.

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.

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- (b) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between these pins of the IOM connectors J240 and J250 in the right AIMS cabinet (SSM 31-41-08):

| <b>J240-B</b>    | <b>J250-B</b> |
|------------------|---------------|
| pin D3 . . . . . | pin D3        |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows ACTIVE for the maintenance message, then continue.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:
  - (a) Remove the right VHF communication transceiver, M23203. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J240 in the right AIMS cabinet and connector DM23203AB (WDM 23-12-31) (SSM 31-41-08):

| <b>J240-B</b>    | <b>DM23203AB</b> |
|------------------|------------------|
| pin D3 . . . . . | pin C7           |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the right VHF communication transceiver, M23203. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 3) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 865. Left AIMS IOM(M003) Discrete Output 10 Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-53291.

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### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do these checks of the wiring:
    - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
    - (b) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
    - (c) Remove the right air supply and cabin pressure controller, M36112. To remove it, do this task: ASCPC Removal, AMM TASK 36-11-20-000-801.
    - (d) Remove the left air supply and cabin pressure controller, M36111. To remove it, do this task: ASCPC Removal, AMM TASK 36-11-20-000-801.
    - (e) Do a wiring check between these pins of the IOM connectors J240 and J250 in the left AIMS cabinet (SSM 31-41-05):

**J240-B**

pin D4 . . . . .

**J250-B**

pin D4

- (f) Do a wiring check between these pins of the IOM connector J240 in the left AIMS cabinet and connector DM36112AA (WDM 31-41-37) (SSM 31-41-05):

**J240-B**

pin D4 . . . . .

**DM36112AA**

pin C7

- (g) Do a wiring check between these pins of the IOM connector J240 in the left AIMS cabinet and the connector DM36111AA (WDM 31-41-37) (SSM 31-41-05):

**J240-B**

pin D4 . . . . .

**DM36111AA**

pin D7

- (h) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the left air supply and cabin pressure controller, M36111. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.

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- 3) Re-install the right air supply and cabin pressure controller, M36112. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.
- 4) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 5) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 6) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 866. Right AIMS IOM(M003) Discrete Output 10 Fault - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-53292.

##### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do these checks of the wiring:
  - (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Remove the right air supply and cabin pressure controller, M36112. To remove it, do this task: ASCPC Removal, AMM TASK 36-11-20-000-801.
  - (d) Remove the left air supply and cabin pressure controller, M36111. To remove it, do this task: ASCPC Removal, AMM TASK 36-11-20-000-801.
  - (e) Do a wiring check between these pins of the IOM connectors J240 and J250 in the right AIMS cabinet (SSM 31-41-08):

**J240-B**

pin D4 . . . . .

**J250-B**

pin D4

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- (f) Do a wiring check between these pins of the IOM connector J240 in the right AIMS cabinet and connector DM36112AA (WDM 31-41-37) (SSM 31-41-08):

| <b>J240-B</b>    | <b>DM36112AA</b> |
|------------------|------------------|
| pin D4 . . . . . | pin C7           |

- (g) Do a wiring check between these pins of the IOM connector J240 in the right AIMS cabinet and connector DM36111AA (WDM 31-41-37) (SSM 31-41-08):

| <b>J240-B</b>    | <b>DM36111AA</b> |
|------------------|------------------|
| pin D4 . . . . . | pin D7           |

- (h) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the right air supply and cabin pressure controller, M36112. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.
  - 3) Re-install the left air supply and cabin pressure controller, M36111. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.
  - 4) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 5) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 6) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 867. Left AIMS IOM(M004) Discrete Output 02 Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-55211.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M004) in the left AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:

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- (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between these pins of the IOM connectors J240 and J250:

|                  |               |
|------------------|---------------|
| <b>J240-B</b>    | <b>J250-B</b> |
| pin C2 . . . . . | pin C2        |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 868. Left AIMS IOM(M004) Discrete Output 09 Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-55281.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M004) in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J240 and J250 in the left AIMS cabinet (SSM 31-41-05):

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### J240-B

pin D3 . . . . . pin D3

### J250-B

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:
  - (a) Remove the center VHF communication transceiver, M23303. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J250 in the left AIMS cabinet and connector DM23303AB (WDM 23-12-31) (SSM 31-41-05):

### J250-B

pin D3 . . . . . pin C7

### DM23303AB

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the center VHF communication transceiver, M23303. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 3) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

## 869. Right AIMS IOM(M004) Discrete Output 09 Fault - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-55282.

### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.

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- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
    - (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
    - (b) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
    - (c) Do a wiring check between these pins of the IOM connectors J240 and J250 in the right AIMS cabinet (SSM 31-41-08):

#### J240-B

pin D3

#### J250-B

pin D3

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If you do not find a problem with the wiring, then continue.
    - 1) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:
    - (a) Remove the right VHF communication transceiver, M23203. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
    - (b) Do a wiring check between these pins of the IOM connector J250 in the right AIMS cabinet and connector DM23203AB (WDM 23-12-21) (SSM 31-41-08):

#### J250-B

pin D3

#### DM23203AB

pin C7

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the right VHF communication transceiver, M23203. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.

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- 3) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### 870. Left AIMS IOM(M004) Discrete Output 10 Fault - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-55291.

##### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the IOM(M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J240 and J250 in the left AIMS cabinet (SSM 31-41-05):

##### **J240-B**

pin D4 . . . . .

##### **J250-B**

pin D4

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.

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- 1) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:
  - (a) Remove the left air supply and cabin pressure controller, M36111. To remove it, do this task: ASCPC Removal, AMM TASK 36-11-20-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J250 in the left AIMS cabinet and connector DM36111AA (WDM 31-41-37) (SSM 31-41-05):

|                  |                  |
|------------------|------------------|
| <b>J250-B</b>    | <b>DM36111AA</b> |
| pin D4 . . . . . | pin D7           |
  - (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the left air supply and cabin pressure controller, M36111. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.
    - 3) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
    - 1) Re-install the left air supply and cabin pressure controller, M36111. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the right air supply and cabin pressure controller, M36112. To remove it, do this task: ASCPC Removal, AMM TASK 36-11-20-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J250 in the left AIMS cabinet and connector DM36112AA (WDM 31-41-37) (SSM 31-41-05):

|                  |                  |
|------------------|------------------|
| <b>J250-B</b>    | <b>DM36112AA</b> |
| pin D4 . . . . . | pin C7           |
  - (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the right air supply and cabin pressure controller, M36112. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.
    - 3) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 871. Right AIMS IOM(M004) Discrete Output 10 Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-55292.

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### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J240 and J250 in the right AIMS cabinet (SSM 31-41-08):

|                  |               |
|------------------|---------------|
| <b>J240-B</b>    | <b>J250-B</b> |
| pin D4 . . . . . | pin D4        |
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:
  - (a) Remove the left air supply and cabin pressure controller, M36111. To remove it, do this task: ASCPC Removal, AMM TASK 36-11-20-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J250 in the right AIMS cabinet and connector DM36111AA (WDM 31-41-37) (SSM 31-41-08):

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### J250-B

pin D4

### DM36111AA

pin D7

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the left air supply and cabin pressure controller, M36111. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.
  - 3) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
  - 1) Re-install the left air supply and cabin pressure controller, M36111. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the right air supply and cabin pressure controller, M36112. To remove it, do this task: ASCPC Removal, AMM TASK 36-11-20-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J250 in the right AIMS cabinet and connector DM36112AA (WDM 31-41-37) (SSM 31-41-08):

### J250-B

pin D4

### DM36112AA

pin C7

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the right air supply and cabin pressure controller, M36112. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.
  - 3) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

## 872. Left AIMS IOM(M008) Discrete Output 01 Fault - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-57201.

### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do these checks of the wiring:
- (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Remove the left weather radar transceiver, M34116. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
- (d) Do a wiring check between these pins of the IOM connectors J410 and J420 in the left AIMS cabinet (SSM 31-41-04):

**J410-B**

**J420-B**

pin C1 . . . . . pin C1

- (e) Do a wiring check between these pins of the IOM connector J410 in the left AIMS cabinet and connector DM34116AB (WDM 31-61-43) (SSM 31-41-04):

**J410-B**

**DM34116AB**

pin C1 . . . . . pin G14

- (f) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the left weather radar transceiver, M34116. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
  - 3) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 873. Right AIMS IOM(M008) Discrete Output 01 Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-57202.

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### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do these checks of the wiring:
  - (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Remove the right weather radar transceiver, M34216. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
  - (d) Do a wiring check between these pins of the IOM connectors J410 and J420 in the right AIMS cabinet (SSM 31-41-07):

|                  |               |
|------------------|---------------|
| <b>J410-B</b>    | <b>J420-B</b> |
| pin C1 . . . . . | pin C1        |

- (e) Do a wiring check between these pins of the IOM connector J410 in the right AIMS cabinet and connector DM34216AB (WDM 31-61-44) (SSM 31-41-07):

|                  |                  |
|------------------|------------------|
| <b>J410-B</b>    | <b>DM34216AB</b> |
| pin C1 . . . . . | pin G14          |

- (f) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the right weather radar transceiver, M34216. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
    - 3) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 4) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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**874. Left AIMS IOM(M008) Discrete Output 03 Fault - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-57221.

**B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the IOM(M008) in the left AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do these checks of the wiring:
- (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the TCAS computer, M34006. To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
- (c) Do a wiring check between these pins of the IOM connector J410 in the left AIMS cabinet and connector DM34006AE (WDM 31-61-45):

| <b>J410-B</b>    | <b>DM34006AE</b> |
|------------------|------------------|
| pin C3 . . . . . | pin D6           |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
- 3) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**875. Left AIMS IOM(M008) Discrete Output 07 Fault - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-57261.

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### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do these checks of the wiring:
  - (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the TCAS computer, M34006. To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
  - (c) Do a wiring check between these pins of the IOM connector J410 in the left AIMS cabinet and connector DM34006AE (WDM 31-61-45):

|                  |                  |
|------------------|------------------|
| <b>J410-B</b>    | <b>DM34006AE</b> |
| pin D1 . . . . . | pin C6           |
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
  - 3) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 876. Left AIMS IOM(M008) Discrete Output 12 Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-57311.

#### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.

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- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do these checks of the wiring:
  - (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the TCAS computer, M34006. To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
  - (c) Do a wiring check between these pins of the IOM connector J410 in the left AIMS cabinet and connector DM34006AE (WDM 31-61-45):

**J410-B**

**DM34006AE**

pin E1 . . . . . pin B6

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
  - 3) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 877. Left AIMS IOM(M008) Discrete Output 14 Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-57331.

#### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:

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Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J410 and J420 in the left AIMS cabinet (SSM 31-41-04):

|                  |               |
|------------------|---------------|
| <b>J410-B</b>    | <b>J420-B</b> |
| pin E3 . . . . . | pin E3        |
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:
  - (a) Remove the left air supply and cabin pressure controller, M36111. To remove it, do this task: ASCPC Removal, AMM TASK 36-11-20-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J410 in the left AIMS cabinet and connector DM36111AA (WDM 31-41-37) (SSM 31-41-04):

|                  |                  |
|------------------|------------------|
| <b>J410-B</b>    | <b>DM36111AA</b> |
| pin E3 . . . . . | pin C7           |
- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the left air supply and cabin pressure controller, M36111. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.
  - 3) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.

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- 1) Re-install the left air supply and cabin pressure controller, M36111. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the right air supply and cabin pressure controller, M36111. To remove it, do this task: ASCPC Removal, AMM TASK 36-11-20-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J410 in the left AIMS cabinet and connector DM36112AA (WDM 31-41-37) (SSM 31-41-04):

| J410-B | DM36112AA |
|--------|-----------|
| pin E3 | pin D7    |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the right air supply and cabin pressure controller, M36112. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.
  - 3) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

## 878. Right AIMS IOM(M008) Discrete Output 14 Fault - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-57332.

### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.

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- (c) Do a wiring check between these pins of the IOM connectors J410 and J420 in the right AIMS cabinet (SSM 31-41-07):

| <b>J410-B</b> | <b>J420-B</b> |
|---------------|---------------|
| pin E3 .....  | pin E3        |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (3) Do this check of the wiring:

- (a) Remove the left air supply and cabin pressure controller, M36111. To remove it, do this task: ASCPC Removal, AMM TASK 36-11-20-000-801.
- (b) Do a wiring check between these pins of the IOM connector J410 in the right AIMS cabinet and connector DM36111AA (WDM 31-41-37) (SSM 31-41-07):

| <b>J410-B</b> | <b>DM36111AA</b> |
|---------------|------------------|
| pin E3 .....  | pin C7           |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the left air supply and cabin pressure controller, M36111. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.
  - 3) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- 1) Re-install the left air supply and cabin pressure controller, M36111. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.

- (4) Do this check of the wiring:

- (a) Remove the right air supply and cabin pressure controller, M36112. To remove it, do this task: ASCPC Removal, AMM TASK 36-11-20-000-801.
- (b) Do a wiring check between these pins of the IOM connector J410 in the right AIMS cabinet and connector DM36112AA (WDM 31-41-37) (SSM 31-41-07):

| <b>J410-B</b> | <b>DM36112AA</b> |
|---------------|------------------|
| pin E3 .....  | pin D7           |

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- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the right air supply and cabin pressure controller, M36112. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.
  - 3) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### 879. Left AIMS IOM(M008) Discrete Output 16 Fault - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-57351.

##### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do these checks of the wiring:
  - (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the TCAS computer, M34006. To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
  - (c) Do a wiring check between these pins of the IOM connector J410 in the left AIMS cabinet and connector DM34006AE (WDM 31-61-45):

#### J410-B

#### DM34006AE

pin E5 . . . . . pin A6

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.

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- 3) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 880. Left AIMS IOM(M009) Discrete Output 01 Fault - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-59201.

##### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the IOM(M009) in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do these checks of the wiring:
  - (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Remove the left weather radar transceiver, M34116. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
  - (d) Do a wiring check between these pins of the IOM connectors J410 and J420 in the left AIMS cabinet (SSM 31-41-04):

|                  |               |
|------------------|---------------|
| <b>J410-B</b>    | <b>J420-B</b> |
| pin C1 . . . . . | pin C1        |
  - (e) Do a wiring check between these pins of the IOM connector J420 in the left AIMS cabinet and connector DM34116AB (WDM 31-61-43) (SSM 31-41-04):

|                  |                  |
|------------------|------------------|
| <b>J420-B</b>    | <b>DM34116AB</b> |
| pin C1 . . . . . | pin G14          |
  - (f) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.

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- 2) Re-install the left weather radar transceiver, M34116. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
- 3) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 881. Right AIMS IOM(M009) Discrete Output 01 Fault - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-59202.

##### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do these checks of the wiring:
  - (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Remove the right weather radar transceiver, M34216. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
  - (d) Do a wiring check between these pins of the IOM connectors J410 and J420 in the right AIMS cabinet (SSM 31-41-07):

|               |               |
|---------------|---------------|
| <b>J410-B</b> | <b>J420-B</b> |
| pin C1        | pin C1        |
  - (e) Do a wiring check between these pins of the IOM connector J420 in the right AIMS cabinet and connector DM34216AB (WDM 31-61-44) (SSM 31-41-07):

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**J420-B**

pin C1

**DM34216AB**

pin G14

- (f) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the right weather radar transceiver, M34216. To install it, do this task:  
WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
  - 3) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 882. Left AIMS IOM(M009) Discrete Output 14 Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-59331.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J410 and J420 in the left AIMS cabinet (SSM 31-41-04):

**J410-B**

pin E3

**J420-B**

pin E3

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- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - a) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:
  - (a) Remove the left air supply and cabin pressure controller, M36111. To remove it, do this task: ASCPC Removal, AMM TASK 36-11-20-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J420 in the left AIMS cabinet and connector DM36111AA (WDM 31-41-37) (SSM 31-41-04):

|               |                  |
|---------------|------------------|
| <b>J420-B</b> | <b>DM36111AA</b> |
| pin E3        | pin C7           |
- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the left air supply and cabin pressure controller, M36111. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.
  - 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
  - 1) Re-install the left air supply and cabin pressure controller, M36111. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the right air supply and cabin pressure controller, M36112. To remove it, do this task: ASCPC Removal, AMM TASK 36-11-20-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J420 in the left AIMS cabinet and connector DM36112AA (WDM 31-41-37) (SSM 31-41-04):

|               |                  |
|---------------|------------------|
| <b>J420-B</b> | <b>DM36112AA</b> |
| pin E3        | pin D7           |
- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.





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- 2) Re-install the right air supply and cabin pressure controller, M36112. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.
- 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 883. **Right AIMS IOM(M009) Discrete Output 14 Fault - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-59332.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J410 and J420 in the right AIMS cabinet (SSM 31-41-07):

**J410-B**

pin E3 . . . . .

**J420-B**

pin E3

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:
  - (a) Remove the left air supply and cabin pressure controller, M36111. To remove it, do this task: ASCPC Removal, AMM TASK 36-11-20-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J420 in the right AIMS cabinet and connector DM36111AA (WDM 31-41-37) (SSM 31-41-07):

| <b>J420-B</b>    | <b>DM36111AA</b> |
|------------------|------------------|
| pin E3 . . . . . | pin C7           |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the left air supply and cabin pressure controller, M36111. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.
    - 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
    - 1) Re-install the left air supply and cabin pressure controller, M36111. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the right air supply and cabin pressure controller, M36112
  - (b) Do a wiring check between these pins of the IOM connector J420 in the right AIMS cabinet and connector DM36112AA (WDM 31-41-37) (SSM 31-41-07):

| <b>J420-B</b>    | <b>DM36112AA</b> |
|------------------|------------------|
| pin E3 . . . . . | pin D7           |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the right air supply and cabin pressure controller, M36112. To install it, do this task: ASCPC Installation, AMM TASK 36-11-20-400-801.
    - 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

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### 891. Data Conversion Gateway #1 in Right AIMS has a Hardware Problem - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-61032.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the CPM/GG(M010) in the right AIMS cabinet.  
These are the tasks:  
Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,  
Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/GG(M011) in the right AIMS cabinet.  
These are the tasks:  
Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,  
Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M009) in the right AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 906. Right AIMS CPM/Comm(M001) Internal S/W Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51134.

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### B. Fault Isolation Procedure

- (1) Make these selections on the MAT to make sure the left central maintenance computing function (CMCF) is in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL.

NOTE: You must reset the CPM/Comm from the off-side CMCF.

- (a) If the display shows that the right CMCF is in control, select SWITCH TO LEFT.
  - (b) If the display shows that the left CMCF is in control, then select GO BACK.
- (2) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm(M001) in Right AIMS Module Reset.
- (3) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

### 910. Right AIMS IOM(M003) Discrete Output 16 Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-53352.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 911. Left AIMS IOM(M004) Discrete Output 16 Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-55351.

#### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Replace the IOM(M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do these checks of the wiring:
  - (a) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the center VHF communication transceiver. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - (c) Do a wiring check between these pins of the IOM connector J250 in the left AIMS cabinet and connector DM23303AB (WDM 23-27-23):

#### J250-B

pin E5 . . . . . pin A2  
pin E5 . . . . . pin B14

#### DM23303AB

- (d) If you find a problem with the wiring, then do these steps:
      - 1) Repair the wiring.
      - 2) Re-install the center VHF communication transceiver. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
      - 3) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
      - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 912. Left AIMS IOM(M008) Discrete Output 04 Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-57231.

#### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

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Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do these checks of the wiring:
  - (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the flight compartment printer. To remove it, do this task: Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801.
  - (c) Do a wiring check between these pins of the IOM connector J410 in the left AIMS cabinet and connector DM31004A: (WDM 31-33-11)

|                  |                 |
|------------------|-----------------|
| <b>J410-B</b>    | <b>DM31004A</b> |
| pin C4 . . . . . | pin J-          |
  - (d) Do a wiring check between these pins of connector DM34421 and connector DM34510AA (WDM 34-58-21).

|                  |                |
|------------------|----------------|
| <b>DM34421</b>   | <b>DM34421</b> |
| pin A1 . . . . . | pin 2          |
| pin C1 . . . . . | pin C2         |
  - (e) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the flight compartment printer. To install it, do this task: Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.
    - 3) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 913. Right AIMS IOM(M008) Discrete Output 04 Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-57232.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

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Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 914. **IOM(M003) in AIMS-L No Input from LRU on 429 Bus - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-52201, 31-52221, 31-52231, 31-52241, 31-52261, 31-52271, 31-52301, 31-52311, 31-52331, 31-52341, 31-52351, 31-52361, 31-52371, 31-52381, 31-52391, 31-52401, 31-52411, 31-52421, 31-52431, 31-52441, 31-52451, 31-52461.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) in the left AIMS cabinet.
- These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring (SSM 31-41-03):
- (a) In the list below, find the source LRU, connector numbers, and pin numbers for the applicable maintenance message.

| MAINT MESSAGE | SOURCE LRU        | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|---------------|-------------------|---------------|--------------------|----------------------|
| 31-52201      | L-Clock<br>N31002 | 31-25-11      | P3-A               | DN31002              |
|               |                   |               | pin A4             | pin 24               |
|               |                   |               | pin A5             | pin 23               |
| 31-52231      | RTP-R<br>M23006   | 23-12-21      | P3-A               | DM23006              |
|               |                   |               | pin A10            | pin 2                |
|               |                   |               | pin A11            | pin 3                |

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| MAINT MESSAGE              | SOURCE LRU           | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|----------------------------|----------------------|---------------|--------------------|----------------------|
| 31-52241<br>(IF INSTALLED) | SDU-L<br>M23106      | 23-15-15      | P3-A               | DM23106AB            |
|                            |                      |               | pin A12            | pin E4               |
|                            |                      |               | pin A13            | pin F4               |
| 31-52261                   | ATC XPDR-L<br>M34107 | 34-53-12      | P3-A               | DM34107AB            |
|                            |                      |               | pin A16            | pin E5               |
|                            |                      |               | pin A17            | pin F5               |
| 31-52271                   | ATC XPDR-L<br>M34107 | 34-53-12      | P3-A               | DM34107AA            |
|                            |                      |               | pin B6             | pin G5               |
|                            |                      |               | pin B7             | pin H5               |
| 31-52301                   | DU-R INBD<br>N31202  | 31-61-17      | P3-A               | DN31202AB            |
|                            |                      |               | pin B12            | pin A3               |
|                            |                      |               | pin B13            | pin A4               |
| 31-52311                   | VHF XCVR-R<br>M23203 | 23-12-22      | P3-A               | DM23203              |
|                            |                      |               | pin B14            | pin C10              |
|                            |                      |               | pin B15            | pin D10              |
| 31-52331                   | MCP-B<br>M22016      | 22-11-15      | P3-B               | DM22016B             |
|                            |                      |               | pin C2             | pin 28               |
|                            |                      |               | pin C3             | pin 29               |
| 31-52341                   | DME-R<br>M34209      | 34-55-21      | P3-B               | DM34209AB            |
|                            |                      |               | pin C4             | pin G1               |
|                            |                      |               | pin C5             | pin H1               |
| 31-52351 <sup>*[2]</sup>   | MMR-R<br>M34510      | 34-58-21      | P3-B               | DM34510AB            |
|                            |                      |               | pin C6             | pin C2               |
|                            |                      |               | pin C7             | pin D2               |
| 31-52361                   | ADF-R<br>M34208      | 34-57-21      | P3-B               | DM34208AB            |
|                            |                      |               | pin C8             | pin B10              |
|                            |                      |               | pin C9             | pin B11              |
| 31-52371                   | RA-C<br>M34312       | 34-33-32      | P3-B               | DM34312AB            |
|                            |                      |               | pin C10            | pin B2               |
|                            |                      |               | pin C11            | pin B3               |
| 31-52381                   | RA-L<br>M34112       | 34-33-12      | P3-B               | DM34112AB            |
|                            |                      |               | pin C12            | pin B2               |
|                            |                      |               | pin C13            | pin B3               |

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| MAINT MESSAGE              | SOURCE LRU          | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|----------------------------|---------------------|---------------|--------------------|----------------------|
| 31-52391<br>(IF INSTALLED) | SDU-L<br>M23106     | 23-15-15      | P3-B               | DM23106AB            |
|                            |                     |               | pin C14            | pin J1               |
|                            |                     |               | pin C15            | pin K1               |
| 31-52401                   | A/T S-R<br>M22205   | 22-31-12      | P3-B               | DM22205              |
|                            |                     |               | pin D2             | pin 20               |
|                            |                     |               | pin D3             | pin 8                |
| 31-52411                   | GPWC<br>M34004      | 34-46-12      | P3-B               | DM34004AB            |
|                            |                     |               | pin D4             | pin C1               |
|                            |                     |               | pin D5             | pin D1               |
| 31-52421                   | DU-C UPR<br>N31301  | 31-61-16      | P3-B               | DN31301AB            |
|                            |                     |               | pin D6             | pin A3               |
|                            |                     |               | pin D7             | pin A4               |
| 31-52431                   | DU-L INBD<br>N31102 | 31-61-16      | P3-B               | DN31102AB            |
|                            |                     |               | pin D8             | pin A3               |
|                            |                     |               | pin D9             | pin A4               |
| 31-52441                   | VOR-R<br>M34215     | 34-51-21      | P3-B               | DM34215AC            |
|                            |                     |               | pin D10            | pin A4               |
|                            |                     |               | pin D11            | pin B4               |
| 31-52451 <sup>*[1]</sup>   | ILS-L<br>M34110     | 34-31-11      | P3-B               | DM34110AB            |
|                            |                     |               | pin D12            | pin B11              |
|                            |                     |               | pin D13            | pin C11              |
| 31-52451 <sup>*[2]</sup>   | MMR-L<br>M34410     | 34-31-11      | P3-B               | DM34410AB            |
|                            |                     |               | pin D12            | pin G1               |
|                            |                     |               | pin D13            | pin H1               |
| 31-52451                   | MMR-L<br>M34410     | 34-31-11      | P3-B               | DM34410AB            |
|                            |                     |               | pin D12            | pin G1               |
|                            |                     |               | pin D13            | pin H1               |
| 31-52461                   | CCD-L<br>M31103     | 31-61-18      | P3-B               | DM31103B             |
|                            |                     |               | pin D14            | pin 23               |
|                            |                     |               | pin D15            | pin 21               |

\*[1] AIRPLANES WITHOUT MULTI-MODE RECEIVERS

\*[2] AIRPLANES WITH MULTI-MODE RECEIVERS

- (b) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801

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- (c) Remove the applicable source LRU:
- 1) RTP-R (Radio Tuning Panel-R). To remove it, do this task: Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801.
  - 2) ATC XPDR-L (ATC/Mode S Transponder). To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
  - 3) ATC XPDR-L (ATC/Mode S Transponder). To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
  - 4) DU-R INBD (Display Unit-Right Inboard). To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - 5) VHF XCVR-R (VHF Communication Transceiver-R). To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - 6) MCP-B (Mode Control Panel). To remove it, do this task: Mode Control Panel Removal, AMM TASK 22-11-02-000-801.
  - 7) DME-R (Distance Measuring Equipment-R). To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
  - 8) MMR-R (Multi-Mode Receiver-R). To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - 9) ADF-R (Automatic Direction Finder-R). To remove it, do this task: ADF Receiver Removal, AMM TASK 34-57-01-000-801.
  - 10) RA-C (Radio Altimeter-C). To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
  - 11) RA-L (Radio Altimeter-L). To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
  - 12) A/T S-R (Autothrottle Servo Motor-R). To remove it, do this task: Autothrottle Servomotor (ASM) and Gearbox Removal, AMM TASK 76-12-01-000-805-H00.
  - 13) GPWC (Ground Proximity Warning Computer). To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
  - 14) DU-C UPR (Display Unit-Center Upper). To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - 15) DU-L INBD (Display Unit-Left Inboard). To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - 16) VOR-R (VHF Omnidirectional Range-R). To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.
  - 17) MMR-L (Multi-Mode Receiver-L). To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - 18) CCD-L (Cursor Control Device-L). To remove it, do this task: Cursor Control Device Removal, AMM TASK 31-61-07-000-801.
- (d) Do a wiring check between the specified pins of the applicable connectors.
- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the applicable source LRU:
    - a) RTP-R (Radio Tuning Panel-R). To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.

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- b) ATC XPDR-L (ATC/Mode S Transponder). To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
  - c) ATC XPDR-L (ATC/Mode S Transponder). To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
  - d) DU-R INBD (Display Unit-Right Inboard). To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - e) VHF XCVR-R (VHF Communication Transceiver-R). To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - f) MCP-B (Mode Control Panel). To install it, do this task: Mode Control Panel Installation, AMM TASK 22-11-02-400-801.
  - g) DME-R (Distance Measuring Equipment-R). To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
  - h) MMR-R (Multi-Mode Receiver-R). To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - i) ADF-R (Automatic Direction Finder-R). To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
  - j) RA-C (Radio Altimeter-C). To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - k) RA-L (Radio Altimeter-L). To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - l) A/T S-R (Autothrottle Servo Motor-R). To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
  - m) GPWC (Ground Proximity Warning Computer). To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
  - n) DU-C UPR (Display Unit-Center Upper). To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - o) DU-L INBD (Display Unit-Left Inboard). To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - p) VOR-R (VHF Omnidirectional Range-R). To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
  - q) MMR-L (Multi-Mode Receiver-L). To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - r) CCD-L (Cursor Control Device-L). To install it, do this task: Cursor Control Device Installation, AMM TASK 31-61-07-400-801.
- 3) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 915. IOM(MOO3) in AIMS-R No Input from LRU on 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-52202, 31-52222, 31-52232, 31-52262, 31-52272, 31-52292, 31-52302, 31-52312, 31-52332, 31-52342, 31-52352, 31-52362, 31-52372, 31-52382, 31-52392, 31-52402, 31-52412, 31-52422, 31-52432, 31-52442, 31-52462.

#### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring (SSM 31-41-06):
  - (a) In the list below, find the source LRU, connector numbers, and pin numbers for the applicable maintenance message.

| MAINT MESSAGE | SOURCE LRU           | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|---------------|----------------------|---------------|--------------------|----------------------|
| 31-52202      | R-Clock<br>N31003    | 31-25-21      | P3-A               | DN31003              |
|               |                      |               | pin A4             | pin 24               |
|               |                      |               | pin A5             | pin 23               |
| 31-52232      | RTP-L<br>M23005      | 23-12-11      | P3-A               | DM23005              |
|               |                      |               | pin A10            | pin 2                |
|               |                      |               | pin A11            | pin 3                |
| 31-52262      | ATC XPDR-R<br>M34207 | 34-53-22      | P3-A               | DM34207AB            |
|               |                      |               | pin A16            | pin E5               |
|               |                      |               | pin A17            | pin F5               |

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| MAINT MESSAGE | SOURCE LRU           | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|---------------|----------------------|---------------|--------------------|----------------------|
| 31-52272      | ATC XPDR-R<br>M34207 | 34-53-22      | P3-A               | DM34207AA            |
|               |                      |               | pin B6             | pin G5               |
|               |                      |               | pin B7             | pin H5               |
| 31-52292      | VHF XCVR-R<br>M23203 | 23-12-22      | P3-A               | DM23203AB            |
|               |                      |               | pin B10            | pin C4               |
|               |                      |               | pin B11            | pin D4               |
| 31-52302      | DU-L INBD<br>N31102  | 31-61-16      | P3-A               | DN31102AB            |
|               |                      |               | pin B12            | pin A3               |
|               |                      |               | pin B13            | pin A4               |
| 31-52312      | VHF XCVR-R<br>M23203 | 23-12-22      | P3-A               | DM23203AB            |
|               |                      |               | pin B14            | pin C10              |
|               |                      |               | pin B15            | pin D10              |
| 31-52332      | RA-C<br>M34312       | 34-33-32      | P3-B               | DM34312AB            |
|               |                      |               | pin C2             | pin B2               |
|               |                      |               | pin C3             | pin B3               |
| 31-52342      | ASM-R<br>M22205      | 22-31-12      | P3-B               | DM22205              |
|               |                      |               | pin C4             | pin 20               |
|               |                      |               | pin C5             | pin 8                |
| 31-52352      | CCD-R<br>M31203      | 31-61-18      | P3-B               | DM31203B             |
|               |                      |               | pin C6             | pin 23               |
|               |                      |               | pin C7             | pin 21               |
| 31-52362      | RA-L<br>M34112       | 34-33-12      | P3-B               | DM34112AB            |
|               |                      |               | pin C8             | pin B2               |
|               |                      |               | pin C9             | pin B3               |
| 31-52372      | ADF-R<br>M34208      | 34-57-21      | P3-B               | DM34208AB            |
|               |                      |               | pin C10            | pin B13              |
|               |                      |               | pin C11            | pin B14              |
| 31-52382      | DME-R<br>M34209      | 34-55-21      | P3-B               | DM34209AB            |
|               |                      |               | pin C12            | pin G3               |
|               |                      |               | pin C13            | pin H3               |
| 31-52392      | MMR-R<br>M34510      | 34-58-21      | P3-B               | DM34510AB            |
|               |                      |               | pin C14            | pin J2               |
|               |                      |               | pin C15            | pin K2               |

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| MAINT MESSAGE | SOURCE LRU          | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|---------------|---------------------|---------------|--------------------|----------------------|
| 31-52402      | MCP-B<br>M22016     | 22-11-15      | P3-B               | DM22016B             |
|               |                     |               | pin D2             | pin 28               |
|               |                     |               | pin D3             | pin 29               |
| 31-52412      | GPWC<br>M34004      | 34-46-12      | P3-B               | DM34004AB            |
|               |                     |               | pin D4             | pin C1               |
|               |                     |               | pin D5             | pin D1               |
| 31-52422      | DU-C UPR<br>N31301  | 31-61-16      | P3-B               | DN31301AB            |
|               |                     |               | pin D6             | pin A3               |
|               |                     |               | pin D7             | pin A4               |
| 31-52432      | DU-R INBD<br>N31102 | 31-61-17      | P3-B               | DN31102AB            |
|               |                     |               | pin D8             | pin A3               |
|               |                     |               | pin D9             | pin A4               |
| 31-52442      | MMR-R<br>M34510     | 34-31-21      | P3-B               | DM34510AB            |
|               |                     |               | pin D10            | pin G1               |
|               |                     |               | pin D11            | pin H1               |
| 31-52462      | VOR-R<br>M34215     | 34-51-21      | P3-B               | DM34215AB            |
|               |                     |               | pin D14            | pin B13              |
|               |                     |               | pin D15            | pin C13              |

- (b) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
- (c) Remove the applicable source LRU:
- 1) RTP-L (Radio Tuning Panel-L). To remove it, do this task: Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801.
  - 2) ATC XPDR-R (ATC/Mode S Transponder). To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
  - 3) ATC XPDR-R (ATC/Mode S Transponder). To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
  - 4) VHF XCVR-R (VHF Communication Transceiver-R). To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - 5) DU-L INBD (Display Unit-Left Inboard). To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - 6) VHF XCVR-R (VHF Communication Transceiver-R). To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - 7) RA-C (Radio Altimeter-C). To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
  - 8) ASM-R (Autothrottle Servo Motor-R). To remove it, do this task: Autothrottle Servomotor (ASM) and Gearbox Removal, AMM TASK 76-12-01-000-805-H00.

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- 9) CCD-R (Cursor Control Device-R). To remove it, do this task: Cursor Control Device Removal, AMM TASK 31-61-07-000-801.
  - 10) RA-L (Radio Altimeter-L). To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
  - 11) ADF-R (Automatic Direction Finder-R). To remove it, do this task: ADF Receiver Removal, AMM TASK 34-57-01-000-801.
  - 12) DME-R (Distance Measuring Equipment-R). To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
  - 13) MMR-R (Multi-Mode Receiver-R). To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - 14) MCP-B (Mode Control Panel). To remove it, do this task: Mode Control Panel Removal, AMM TASK 22-11-02-000-801.
  - 15) GPWC (Ground Proximity Warning Computer). To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
  - 16) DU-C UPR (Display Unit-Center Upper). To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - 17) DU-R INBD (Display Unit-Right Inboard). To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - 18) MMR-R (Multi-Mode Receiver-R). To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - 19) VOR-R (VHF Omnidirectional Range-R). To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.
- (d) Do a wiring check between the specified pins of the applicable connectors.
- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the applicable source LRU:
    - a) RTP-L (Radio Tuning Panel-L). To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
    - b) ATC XPDR-R (ATC/Mode S Transponder). To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
    - c) ATC XPDR-R (ATC/Mode S Transponder). To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
    - d) VHF XCVR-R (VHF Communication Transceiver-R). To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
    - e) DU-L INBD (Display Unit-Left Inboard). To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
    - f) VHF XCVR-R (VHF Communication Transceiver-R). To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
    - g) RA-C (Radio Altimeter-C). To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
    - h) ASM-R (Autothrottle Servo Motor-R). To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.

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- i) CCD-R (Cursor Control Device-R). To install it, do this task: Cursor Control Device Installation, AMM TASK 31-61-07-400-801.
  - j) RA-L (Radio Altimeter-L). To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - k) ADF-R (Automatic Direction Finder-R). To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
  - l) DME-R (Distance Measuring Equipment-R). To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
  - m) MMR-R (Multi-Mode Receiver-R). To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - n) MCP2-B (Mode Control Panel). To install it, do this task: Mode Control Panel Installation, AMM TASK 22-11-02-400-801.
  - o) GPWC (Ground Proximity Warning Computer). To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
  - p) DU-C UPR (Display Unit-Center Upper). To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - q) DU-R INBD (Display Unit-Right Inboard). To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - r) MMR-R (Multi-Mode Receiver-R). To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - s) VOR-R (VHF Omnidirectional Range-R). To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
- 3) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 916. IOM(M004) in AIMS-L No Input from LRU on 429 Bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-54201, 31-54211, 31-54221, 31-54231, 31-54241, 31-54271, 31-54281, 31-54291, 31-54311, 31-54321, 31-54331, 31-54341, 31-54351, 31-54361, 31-54371, 31-54381, 31-54391, 31-54401, 31-54411, 31-54421, 31-54431, 31-54441, 31-54451, 31-54461.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring (SSM 31-41-03):
- (a) In the list below, find the source LRU, connector numbers, and pin numbers for the applicable maintenance message.

| MAINT MESSAGE | SOURCE LRU           | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|---------------|----------------------|---------------|--------------------|----------------------|
| 31-54201      | ATC XPDR-R<br>M34207 | 34-53-22      | P4-A               | DM34207AB            |
|               |                      |               | pin A4             | pin C6               |
|               |                      |               | pin A5             | pin D6               |
| 31-54211      | ATC XPDR-R<br>M34207 | 34-53-22      | P4-A               | DM34207AA            |
|               |                      |               | pin A6             | pin G5               |
|               |                      |               | pin A7             | pin H5               |
| 31-54221      | HF XCVR-R<br>M23201  | 23-11-21      | P4-A               | DM23201AB            |
|               |                      |               | pin A8             | pin C4               |
|               |                      |               | pin A9             | pin D4               |
| 31-54231      | RTP-L<br>M23005      | 23-12-11      | P4-A               | DM23005              |
|               |                      |               | pin A10            | pin 2                |
|               |                      |               | pin A11            | pin 3                |
| 31-54241      | WHCU-R<br>M30201     | 30-41-13      | P4-A               | DM30201AB            |
|               |                      |               | pin A12            | pin 28               |
|               |                      |               | pin A13            | pin 29               |
| 31-54271      | EFIS CP-R<br>M31202  | 31-61-19      | P4-A               | DM31202B             |
|               |                      |               | pin B6             | pin 7                |
|               |                      |               | pin B7             | pin 8                |
| 31-54281      | WXR XCVR-R<br>M34216 | 34-43-21      | P4-A               | DM34216AB            |
|               |                      |               | pin B8             | pin J1               |
|               |                      |               | pin B9             | pin K1               |

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| MAINT MESSAGE              | SOURCE LRU           | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|----------------------------|----------------------|---------------|--------------------|----------------------|
| 31-54291                   | VHF XCRV-R<br>M23203 | 23-12-22      | P4-A               | DM23203AB            |
|                            |                      |               | pin B10            | pin C14              |
|                            |                      |               | pin B11            | pin D14              |
| 31-54311                   | TCAS<br>M34006       | 34-45-13      | P4-A               | DM34006AE            |
|                            |                      |               | pin B14            | pin G7               |
|                            |                      |               | pin B15            | pin H7               |
| 31-54321                   | ATC XPDR-R<br>M34207 | 34-53-22      | P4-A               | DM34207AB            |
|                            |                      |               | pin B16            | pin E5               |
|                            |                      |               | pin B17            | pin F5               |
| 31-54331                   | MCP-B<br>M22016      | 22-11-15      | P4-B               | DM22016B             |
|                            |                      |               | pin C2             | pin 28               |
|                            |                      |               | pin C3             | pin 29               |
| 31-54341                   | DME-R<br>M34209      | 34-55-21      | P4-B               | DM34209AB            |
|                            |                      |               | pin C4             | pin G1               |
|                            |                      |               | pin C5             | pin H1               |
| 31-54351                   | MMR-R<br>M34510      | 34-58-21      | P4-B               | DM34510AB            |
|                            |                      |               | pin C6             | pin C2               |
|                            |                      |               | pin C7             | pin D2               |
| 31-54361                   | ADF-R<br>M34208      | 34-57-21      | P4-B               | DM34208AB            |
|                            |                      |               | pin C8             | pin B10              |
|                            |                      |               | pin C9             | pin B11              |
| 31-54371                   | RA-C<br>M34312       | 34-33-32      | P4-B               | DM34312AB            |
|                            |                      |               | pin C10            | pin B2               |
|                            |                      |               | pin C11            | pin B3               |
| 31-54381                   | RA-L<br>M34112       | 34-33-12      | P4-B               | DM34112AB            |
|                            |                      |               | pin C12            | pin B2               |
|                            |                      |               | pin C13            | pin B3               |
| 31-54391<br>(IF INSTALLED) | SDU-L<br>M23106      | 23-15-15      | P4-B               | DM23106AB            |
|                            |                      |               | pin C14            | pin J1               |
|                            |                      |               | pin C15            | pin K1               |
| 31-54401                   | ASM-R<br>M22205      | 22-31-12      | P4-B               | DM22205              |
|                            |                      |               | pin D2             | pin 20               |
|                            |                      |               | pin D3             | pin 8                |

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| MAINT MESSAGE | SOURCE LRU          | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|---------------|---------------------|---------------|--------------------|----------------------|
| 31-54411      | GPWC<br>M34004      | 34-46-12      | P4-B               | DM34004AB            |
|               |                     |               | pin D4             | pin C1               |
|               |                     |               | pin D5             | pin D1               |
| 31-54421      | DU-C UPR<br>N31301  | 31-61-16      | P4-B               | DN31301AB            |
|               |                     |               | pin D6             | pin A3               |
|               |                     |               | pin D7             | pin A4               |
| 31-54431      | DU-L INBD<br>N31102 | 31-61-16      | P4-B               | DN31102AB            |
|               |                     |               | pin D8             | pin A3               |
|               |                     |               | pin D9             | pin A4               |
| 31-54441      | VOR-R<br>M34215     | 34-51-21      | P4-B               | DM34215AC            |
|               |                     |               | pin D10            | pin A4               |
|               |                     |               | pin D11            | pin B4               |
| 31-54451      | MMR-L<br>M34410     | 34-31-11      | P4-B               | DM34410AB            |
|               |                     |               | pin D12            | pin G1               |
|               |                     |               | pin D13            | pin H1               |
| 31-54461      | CCD-L<br>M31103     | 31-61-18      | P4-B               | DM31103B             |
|               |                     |               | pin D14            | pin 23               |
|               |                     |               | pin D15            | pin 21               |

- (b) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
- (c) Remove the applicable source LRU:
  - 1) ATC XPDR-R (ATC/Mode S Transponder-R). To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
  - 2) ATC XPDR-R (ATC/Mode S Transponder-R). To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
  - 3) HF XCVR-R (HF Communication Transceiver-R). To remove it, do this task: HF Communication Transceiver Removal, AMM TASK 23-11-05-000-801.
  - 4) RTP-L (Radio Tuning Panel-L). To remove it, do this task: Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801.
  - 5) WHCU-R (Window Heat Control Unit). To remove it, do this task: Window Heat Control Unit Removal, AMM TASK 30-41-01-000-801.
  - 6) EFIS CP-R (EFIS Control Panel-R). To remove it, do this task: EFIS Control Panel Removal, AMM TASK 31-61-02-000-801.
  - 7) WXR XCVR-R (Weather Radar Transceiver-R). To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
  - 8) VHF XCVR-R (VHF Communication Transceiver-R). To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.

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- 9) TCAS (Traffic Alert and Collision Avoidance System). To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
  - 10) ATC XPDR-R (ATC/Mode S Transponder-R). To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
  - 11) MCP-B (Mode Control Panel). To remove it, do this task: Mode Control Panel Removal, AMM TASK 22-11-02-000-801.
  - 12) DME-R (Distance Measuring Equipment-R). To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
  - 13) MMR-R (Multi-Mode Receiver-R). To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - 14) ADF-R (Automatic Direction Finder-R). To remove it, do this task: ADF Receiver Removal, AMM TASK 34-57-01-000-801.
  - 15) RA-C (Radio Altimeter-C). To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
  - 16) RA-L (Radio Altimeter-L). To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
  - 17) ASM-R (Autothrottle Servo Motor-R). To remove it, do this task: Autothrottle Servomotor (ASM) and Gearbox Removal, AMM TASK 76-12-01-000-805-H00.
  - 18) GPWC (Ground Proximity Warning Computer). To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
  - 19) DU-C UPR (Display Unit-Center Upper). To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - 20) DU-L INBD (Display Unit-Left Inboard). To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - 21) VOR-R (VHF Omnidirectional Range-R). To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.
  - 22) MMR-L (Multi-Mode Receiver-L). To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - 23) CCD-L (Cursor Control Device-L). To remove it, do this task: Cursor Control Device Removal, AMM TASK 31-61-07-000-801.
- (d) Do a wiring check between the specified pins of the applicable connectors.
- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the applicable source LRU:
    - a) ATC XPDR-R (ATC/Mode S Transponder-R). To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
    - b) ATC XPDR-R (ATC/Mode S Transponder-R). To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
    - c) HF XCVR-R (HF Communication Transceiver-R). To install it, do this task: HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801.
    - d) RTP-L (Radio Tuning Panel-L). To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
    - e) WHCU-R (Window Heat Control Unit). To install it, do this task: Window Heat Control Unit Removal, AMM TASK 30-41-01-000-801.

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- f) EFIS CP-R (EFIS Control Panel-R). To install it, do this task: EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.
  - g) WXR XCVR-R (Weather Radar Transceiver-R). To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
  - h) VHF XCVR-R (VHF Communication Transceiver-R). To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - i) TCAS (Traffic Alert and Collision Avoidance System). To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
  - j) ATC XPDR-R (ATC/Mode S Transponder-R). To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
  - k) MCP-B (Mode Control Panel). To install it, do this task: Mode Control Panel Installation, AMM TASK 22-11-02-400-801.
  - l) DME-R (Distance Measuring Equipment-R). To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
  - m) MMR-R (Multi-Mode Receiver-R). To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - n) ADF-R (Automatic Direction Finder-R). To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
  - o) RA-C (Radio Altimeter-C). To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - p) RA-L (Radio Altimeter-L). To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - q) ASM-R (Autothrottle Servo Motor-R). To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
  - r) GPWC (Ground Proximity Warning Computer). To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
  - s) DU-C UPR (Display Unit-Center Upper). To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - t) DU-L INBD (Display Unit-Left Inboard). To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - u) VOR-R (VHF Omnidirectional Range-R). To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
  - v) MMR-L (Multi-Mode Receiver-L). To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - w) CCD-L (Cursor Control Device-L). To install it, do this task: Cursor Control Device Installation, AMM TASK 31-61-07-400-801.
- 3) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 917. IOM(MOO4) in AIMS-R No Input from LRU on 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-54202, 31-54222, 31-54232, 31-54242, 31-54252, 31-54262, 31-54272, 31-54282, 31-54292, 31-54332, 31-54342, 31-54352, 31-54362, 31-54372, 31-54382, 31-54392, 31-54402, 31-54412, 31-54422, 31-54432, 31-54442, 31-54462.

#### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring (SSM 31-41-06):
  - (a) In the list below, find the source LRU, connector numbers, and pin numbers for the applicable maintenance message.

| MAINT MESSAGE | SOURCE LRU           | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|---------------|----------------------|---------------|--------------------|----------------------|
| 31-54202      | ATC XPDR-R<br>M34207 | 34-53-22      | P4-A               | DM34207AB            |
|               |                      |               | pin A4             | pin C6               |
|               |                      |               | pin A5             | pin D6               |
| 31-54222      | HF XCVR-R<br>M23201  | 23-11-21      | P4-A               | DM23201AB            |
|               |                      |               | pin A8             | pin C4               |
|               |                      |               | pin A9             | pin D4               |
| 31-54232      | RTP-R<br>M23006      | 23-12-21      | P4-A               | DM23006              |
|               |                      |               | pin A10            | pin 2                |
|               |                      |               | pin A11            | pin 3                |

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| MAINT MESSAGE              | SOURCE LRU           | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|----------------------------|----------------------|---------------|--------------------|----------------------|
| 31-54242                   | WHCU-R<br>M30201     | 30-41-13      | P4-A               | DM30201AB            |
|                            |                      |               | pin A12            | pin 28               |
|                            |                      |               | pin A13            | pin 29               |
| 31-54252                   | VHF XCRV-R<br>M23203 | 23-12-22      | P4-A               | DM23203AB            |
|                            |                      |               | pin A14            | pin C14              |
|                            |                      |               | pin A15            | pin D14              |
| 31-54262                   | EFIS CP-L<br>M31102  | 31-61-19      | P4-A               | DM31102B             |
|                            |                      |               | pin A16            | pin 7                |
|                            |                      |               | pin A17            | pin 8                |
| 31-54272                   | TCAS<br>M34006       | 34-45-13      | P4-A               | DM34006AE            |
|                            |                      |               | pin B6             | pin C7               |
|                            |                      |               | pin B7             | pin D7               |
| 31-54282                   | WXR XCVR-R<br>M34216 | 34-43-21      | P4-A               | DM34216AB            |
|                            |                      |               | pin B8             | pin J1               |
|                            |                      |               | pin B9             | pin K1               |
| 31-54292<br>(IF INSTALLED) | SDU-L<br>M23106      | 23-15-15      | P4-A               | DM23106AB            |
|                            |                      |               | pin B10            | pin E4               |
|                            |                      |               | pin B11            | pin F4               |
| 31-54332                   | RA-C<br>M34312       | 34-33-32      | P4-B               | DM34312AB            |
|                            |                      |               | pin C2             | pin B2               |
|                            |                      |               | pin C3             | pin B3               |
| 31-54342                   | ASM-R<br>M22205      | 22-31-12      | P4-B               | DM22205              |
|                            |                      |               | pin C4             | pin 20               |
|                            |                      |               | pin c5             | pin 8                |
| 31-54352                   | CCD-R<br>M31203      | 31-61-18      | P4-B               | DM31203B             |
|                            |                      |               | pin C6             | pin 23               |
|                            |                      |               | pin C7             | pin 21               |
| 31-54362                   | RA-L<br>M34112       | 34-33-12      | P4-B               | DM34112AB            |
|                            |                      |               | pin C8             | pin B2               |
|                            |                      |               | pin C9             | pin B3               |
| 31-54372                   | ADF-R<br>M34208      | 34-57-21      | P4-B               | DM34208AB            |
|                            |                      |               | pin C10            | pin B13              |
|                            |                      |               | pin C11            | pin B14              |

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| MAINT MESSAGE | SOURCE LRU          | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|---------------|---------------------|---------------|--------------------|----------------------|
| 31-54382      | DME-R<br>M34209     | 34-55-21      | P4-B               | DM34209AB            |
|               |                     |               | pin C12            | pin G3               |
|               |                     |               | pin C13            | pin H3               |
| 31-54392      | MMR-R<br>M34510     | 34-58-21      | P4-B               | DM34510AB            |
|               |                     |               | pin C14            | pin J2               |
|               |                     |               | pin C15            | pin K2               |
| 31-54402      | MCP-B<br>M22016     | 22-11-15      | P4-B               | DM22016B             |
|               |                     |               | pin D2             | pin 28               |
|               |                     |               | pin D3             | pin 29               |
| 31-54412      | GPWC<br>M34004      | 34-46-12      | P4-B               | DM34004AB            |
|               |                     |               | pin D4             | pin C1               |
|               |                     |               | pin D5             | pin D1               |
| 31-54422      | DU-C UPR<br>N31301  | 31-61-16      | P4-B               | DN31301AB            |
|               |                     |               | pin D6             | pin A3               |
|               |                     |               | pin D7             | pin A4               |
| 31-54432      | DU-R INBD<br>N31202 | 31-61-17      | P4-B               | DN31202AB            |
|               |                     |               | pin D8             | pin A3               |
|               |                     |               | pin D9             | pin A4               |
| 31-54442      | MMR-R<br>M34510     | 34-31-21      | P4-B               | DM34510AB            |
|               |                     |               | pin D10            | pin G1               |
|               |                     |               | pin D11            | pin H1               |
| 31-54462      | VOR-R<br>M34215     | 34-51-21      | P4-B               | DM34215AB            |
|               |                     |               | pin D14            | pin B13              |
|               |                     |               | pin D15            | pin C13              |

- (b) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
- (c) Remove the applicable source LRU:
- 1) ATC XPDR-R (ATC/Mode S Transponder-R). To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
  - 2) HF XCVR-R (HF Communication Transceiver-R). To remove it, do this task: HF Communication Transceiver Removal, AMM TASK 23-11-05-000-801.
  - 3) RTP-R (Radio Tuning Panel-R). To remove it, do this task: Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801.
  - 4) WHCU-R (Window Heat Control Unit). To remove it, do this task: Window Heat Control Unit Removal, AMM TASK 30-41-01-000-801.

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- 5) VHF XCVR-R (VHF Communication Transceiver-R). To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - 6) EFIS CP-L (EFIS Control Panel-L). To remove it, do this task: EFIS Control Panel Removal, AMM TASK 31-61-02-000-801.
  - 7) TCAS (Traffic Alert and Collision Avoidance System). To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
  - 8) WXR XCVR-R (Weather Radar Transceiver-R). To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
  - 9) RA-C (Radio Altimeter-C). To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
  - 10) ASM-R (Autothrottle Servo Motor-R). To remove it, do this task: Autothrottle Servomotor (ASM) and Gearbox Removal, AMM TASK 76-12-01-000-805-H00.
  - 11) CCD-R (Cursor Control Device-R). To remove it, do this task: Cursor Control Device Removal, AMM TASK 31-61-07-000-801.
  - 12) RA-L (Radio Altimeter-L). To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
  - 13) ADF-R (Automatic Direction Finder-R). To remove it, do this task: ADF Receiver Removal, AMM TASK 34-57-01-000-801.
  - 14) DME-R (Distance Measuring Equipment-R). To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
  - 15) MMR-R (Multi-Mode Receiver-R). To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - 16) MCP-B (Mode Control Panel). To remove it, do this task: Mode Control Panel Removal, AMM TASK 22-11-02-000-801.
  - 17) GPWC (Ground Proximity Warning Computer). To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
  - 18) DU-C UPR (Display Unit-Center Upper). To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - 19) DU-R INBD (Display Unit-Right Inboard). To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - 20) MMR-R (Multi-Mode Receiver-R). To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - 21) VOR-R (VHF Omnidirectional Range-R). To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.
- (d) Do a wiring check between the specified pins of the applicable connectors.
- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the applicable source LRU:
    - a) ATC XPDR-R (ATC/Mode S Transponder-R). To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
    - b) HF XCVR-R (HF Communication Transceiver-R). To install it, do this task: HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801.
    - c) RTP-R (Radio Tuning Panel-R). To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.

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- d) WHCU-R (Window Heat Control Unit). To install it, do this task: Window Heat Control Unit Removal, AMM TASK 30-41-01-000-801.
  - e) VHF XCVR-R (VHF Communication Transceiver-R). To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - f) EFIS CP-L (EFIS Control Panel-L). To install it, do this task: EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.
  - g) TCAS (Traffic Alert and Collision Avoidance System). To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
  - h) WXR XCVR-R (Weather Radar Transceiver-R). To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
  - i) RA-C (Radio Altimeter-C). To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - j) ASM-R (Autothrottle Servo Motor-R). To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
  - k) CCD-R (Cursor Control Device-R). To install it, do this task: Cursor Control Device Installation, AMM TASK 31-61-07-400-801.
  - l) RA-L (Radio Altimeter-L). To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - m) ADF-R (Automatic Direction Finder-R). To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
  - n) DME-R (Distance Measuring Equipment-R). To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
  - o) MMR-R (Multi-Mode Receiver-R). To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - p) MCP-B (Mode Control Panel). To install it, do this task: Mode Control Panel Installation, AMM TASK 22-11-02-400-801.
  - q) GPWC (Ground Proximity Warning Computer). To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
  - r) DU-C UPR (Display Unit-Center Upper). To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - s) DU-R INBD (Display Unit-Right Inboard). To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - t) MMR-R (Multi-Mode Receiver-R). To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - u) VOR-R (VHF Omnidirectional Range-R). To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
- 3) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 918. IOM in AIMS has a 429 Bus Fault on an Unused Input - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-52211, 31-52212, 31-52242, 31-52251, 31-52252, 31-52281, 31-52282, 31-52291, 31-52321, 31-52322, 31-52452, 31-54212, 31-54251, 31-54261, 31-54301, 31-54302, 31-54312, 31-54322, 31-54452, 31-56212, 31-56221, 31-56222, 31-56262, 31-56292, 31-56301, 31-56311, 31-56322, 31-56382, 31-56441, 31-56451, 31-58231, 31-58271, 31-58292, 31-58321, 31-58382, 31-58441, 31-58451.

#### B. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the applicable IOM.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 919. IOM(M008) in AIMS-L No Input from LRU on 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-56201, 31-56211, 31-56231, 31-56241, 31-56251, 31-56261, 31-56271, 31-56281, 31-56291, 31-56321, 31-56331, 31-56341, 31-56351, 31-56361, 31-56371, 31-56381, 31-56391, 31-56401, 31-56411, 31-56421, 31-56431, 31-56461.

#### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring (SSM 31-41-03):
- (a) In the list below, find the source LRU, connector numbers, and pin numbers for the applicable maintenance message.

| MAINT MESSAGE | SOURCE LRU           | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|---------------|----------------------|---------------|--------------------|----------------------|
| 31-56201      | RTP-C<br>M23007      | 23-12-31      | P8-A               | DM23007              |
|               |                      |               | pin A4             | pin 2                |
|               |                      |               | pin A5             | pin 3                |
| 31-56211      | TCAS<br>M34006       | 34-45-13      | P8-A               | DM34006AE            |
|               |                      |               | pin A6             | pin A9               |
|               |                      |               | pin A7             | pin B9               |
| 31-56231      | MMR-R<br>M34510      | 34-31-21      | P8-A               | DM34510AB            |
|               |                      |               | pin A10            | pin G1               |
|               |                      |               | pin A11            | pin H1               |
| 31-56241      | VHF XCRV-C<br>M23303 | 23-12-32      | P8-A               | DM23303AB            |
|               |                      |               | pin A12            | pin C14              |
|               |                      |               | pin A13            | pin D14              |
| 31-56251      | SASI<br>N34002       | 34-13-12      | P8-A               | DN34002              |
|               |                      |               | pin A14            | pin 14               |
|               |                      |               | pin A15            | pin 15               |
| 31-56261      | DU-R OUTBD<br>N31201 | 31-61-17      | P8-A               | DN31201AB            |
|               |                      |               | pin A16            | pin A3               |
|               |                      |               | pin A17            | pin A4               |
| 31-56271      | VHF XCRV-C<br>M23303 | 23-12-32      | P8-A               | DM23303AB            |
|               |                      |               | pin B6             | pin C10              |
|               |                      |               | pin B7             | pin D10              |
| 31-56281      | SALT<br>N34003       | 34-13-11      | P8-A               | DN34003              |
|               |                      |               | pin B8             | pin 14               |
|               |                      |               | pin B9             | pin 15               |
| 31-56291      | SATI<br>N34001       | 34-24-11      | P8-A               | DN34001              |
|               |                      |               | pin B10            | pin 14               |
|               |                      |               | pin B11            | pin 15               |
| 31-56321      | SDU-L<br>M23106      | 23-15-15      | P8-A               | DM23106AB            |
|               |                      |               | pin B16            | pin C7               |
|               |                      |               | pin B17            | pin D7               |

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| MAINT MESSAGE | SOURCE LRU           | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|---------------|----------------------|---------------|--------------------|----------------------|
| 31-56331      | RA-R<br>M34212       | 34-33-22      | P8-B               | DM34212AB            |
|               |                      |               | pin C2             | pin B2               |
|               |                      |               | pin C3             | pin B3               |
| 31-56341      | MMR-L<br>M34410      | 34-58-11      | P8-B               | DM34410AB            |
|               |                      |               | pin C4             | pin C2               |
|               |                      |               | pin C5             | pin D2               |
| 31-56351      | DU-L OUTBD<br>N31101 | 31-61-16      | P8-B               | DN31101AB            |
|               |                      |               | pin C6             | pin A3               |
|               |                      |               | pin C7             | pin A4               |
| 31-56361      | ASM-L<br>M22105      | 22-31-11      | P8-B               | DM22105              |
|               |                      |               | pin c8             | pin 20               |
|               |                      |               | pin c9             | pin 8                |
| 31-56371      | ADF-L<br>M34108      | 34-57-11      | P8-B               | DM34108AB            |
|               |                      |               | pin C10            | pin B10              |
|               |                      |               | pin C11            | pin B11              |
| 31-56381      | DME-L<br>M34109      | 34-55-11      | P8-B               | DM34109AB            |
|               |                      |               | pin C12            | pin G1               |
|               |                      |               | pin C13            | pin H1               |
| 31-56391      | TCAS<br>M34006       | 34-45-13      | P8-B               | DM34006AE            |
|               |                      |               | pin C14            | pin C7               |
|               |                      |               | pin C15            | pin D7               |
| 31-56401      | MCP-A<br>M22016      | 22-11-15      | P8-B               | DM22016A             |
|               |                      |               | pin D2             | pin 28               |
|               |                      |               | pin D3             | pin 29               |
| 31-56411      | MMR-C<br>M34610      | 34-31-31      | P8-B               | DM34610AB            |
|               |                      |               | pin D4             | pin G1               |
|               |                      |               | pin D5             | pin H1               |
| 31-56421      | DU-C LWR<br>N31302   | 31-61-17      | P8-B               | DN31302AB            |
|               |                      |               | pin D6             | pin A3               |
|               |                      |               | pin D7             | pin A4               |
| 31-56431      | EFIS CP-L<br>M31102  | 31-61-19      | P8-B               | DM31102B             |
|               |                      |               | pin D8             | pin 7                |
|               |                      |               | pin D9             | pin 8                |

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| MAINT MESSAGE | SOURCE LRU      | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|---------------|-----------------|---------------|--------------------|----------------------|
| 31-56461      | VOR-L<br>M34115 | 34-51-11      | P8-B               | DM34115AC            |
|               |                 |               | pin D14            | pin A4               |
|               |                 |               | pin D15            | pin B4               |

- (b) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
- (c) Remove the applicable source LRU:
- 1) RTP-C (Radio Tuning Panel-C). To remove it, do this task: Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801.
  - 2) TCAS (Traffic Alert and Collision Avoidance System). To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
  - 3) MMR-R (Multi-Mode Receiver-R). To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - 4) VHF XCVR-C (VHF Communication Transceiver-C). To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - 5) DU-R OUTBD (Display Unit-Right Outboard). To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - 6) VHF XCVR-C (VHF Communication Transceiver-C). To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - 7) RA-R (Radio Altimeter-R). To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
  - 8) MMR-L (Multi-Mode Receiver-L). To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - 9) DU-L OUTBD (Display Unit-Left Outboard). To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - 10) ASM-L (Autothrottle Servo Motor-L). To remove it, do this task: Autothrottle Servomotor (ASM) and Gearbox Removal, AMM TASK 76-12-01-000-805-H00.
  - 11) ADF-L (Automatic Direction Finder-L). To remove it, do this task: ADF Receiver Removal, AMM TASK 34-57-01-000-801.
  - 12) DME-L (Distance Measuring Equipment-L). To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
  - 13) TCAS (Traffic Alert and Collision Avoidance System). To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
  - 14) MCP-A (Mode Control Panel). To remove it, do this task: Mode Control Panel Removal, AMM TASK 22-11-02-000-801.
  - 15) MMR-C (Multi-Mode Receiver-C). To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - 16) DU-C LWR (Display Unit-Center Lower). To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - 17) EFIS CP-L (EFIS Control Panel-L). To remove it, do this task: EFIS Control Panel Removal, AMM TASK 31-61-02-000-801.

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- 18) VOR-L (VHF Omnidirectional Range-L). To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.
- (d) Do a wiring check between the specified pins of the applicable connectors.
- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the applicable source LRU:
    - a) RTP-C (Radio Tuning Panel-C). To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
    - b) TCAS (Traffic Alert and Collision Avoidance System). To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
    - c) MMR-R (Multi-Mode Receiver-R). To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
    - d) VHF XCVR-C (VHF Communication Transceiver-C). To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
    - e) DU-R OUTBD (Display Unit-Right Outboard). To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
    - f) VHF XCVR-C (VHF Communication Transceiver-C). To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
    - g) RA-R (Radio Altimeter-R). To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
    - h) MMR-L (Multi-Mode Receiver-L). To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
    - i) DU-L OUTBD (Display Unit-Left Outboard). To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
    - j) ASM-L (Autothrottle Servo Motor-L). To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
    - k) ADF-L (Automatic Direction Finder-L). To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
    - l) DME-L (Distance Measuring Equipment-L). To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
    - m) TCAS (Traffic Alert and Collision Avoidance System). To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
    - n) MCP-A (Mode Control Panel). To install it, do this task: Mode Control Panel Installation, AMM TASK 22-11-02-400-801.
    - o) MMR-C (Multi-Mode Receiver-C). To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
    - p) DU-C LWR (Display Unit-Center Lower). To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
    - q) EFIS CP-L (EFIS Control Panel-L). To install it, do this task: EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.
    - r) VOR-L (VHF Omnidirectional Range-L). To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.

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- 3) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 920. IOM(M008) in AIMS-R No Input from LRU on 429 Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-56202, 31-56232, 31-56242, 31-56252, 31-56272, 31-56282, 31-56302, 31-56312, 31-56332, 31-56342, 31-56352, 31-56362, 31-56372, 31-56392, 31-56402, 31-56412, 31-56422, 31-56432, 31-56442, 31-56452, 31-56462.

##### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring (SSM 31-41-06):
  - (a) In the list below, find the source LRU, connector numbers, and pin numbers for the applicable maintenance message.

| MAINT MESSAGE | SOURCE LRU      | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|---------------|-----------------|---------------|--------------------|----------------------|
| 31-56202      | RTP-C<br>M23007 | 23-12-31      | P8-A               | DM23007              |
|               |                 |               | pin A4<br>pin A5   | pin 2<br>pin 3       |
|               |                 |               | pin A4<br>pin A5   | pin 2<br>pin 3       |

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| MAINT MESSAGE | SOURCE LRU           | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|---------------|----------------------|---------------|--------------------|----------------------|
| 31-56232      | VHF XCRV-C<br>M23303 | 23-12-32      | P8-A               | DM23303AB            |
|               |                      |               | pin A10<br>pin A11 | pin C14<br>pin D14   |
|               |                      |               | pin A10<br>pin A11 | pin C14<br>pin D14   |
| 31-56242      | SASI<br>N34002       | 34-13-12      | P8-A               | DN34002              |
|               |                      |               | pin A12<br>pin A13 | pin 14<br>pin 15     |
|               |                      |               | pin A12<br>pin A13 | pin 14<br>pin 15     |
| 31-56252      | SALT<br>N34003       | 34-13-11      | P8-A               | DN34003              |
|               |                      |               | pin A14<br>pin A15 | pin 14<br>pin 15     |
|               |                      |               | pin A14<br>pin A15 | pin 14<br>pin 15     |
| 31-56272      | DU-L OUTBD<br>N31101 | 31-61-16      | P8-A               | DN31101AB            |
|               |                      |               | pin B6<br>pin B7   | pin A3<br>pin A4     |
|               |                      |               | pin B6<br>pin B7   | pin A3<br>pin A4     |
| 31-56282      | SATI<br>N34001       | 34-24-11      | P8-A               | DN34001              |
|               |                      |               | pin B8<br>pin B9   | pin 14<br>pin 15     |
|               |                      |               | pin B8<br>pin B9   | pin 14<br>pin 15     |
| 31-56302      | VHF XCRV-C<br>M23303 | 23-12-32      | P8-A               | DM23303AB            |
|               |                      |               | pin B12<br>pin B13 | pin C10<br>pin D10   |
|               |                      |               | pin B12<br>pin B13 | pin C10<br>pin D10   |
| 31-56312      | VHF XCRV-C<br>M23303 | 23-12-32      | P8-A               | DM23303AB            |
|               |                      |               | pin B14<br>pin B15 | pin C4<br>pin D4     |
|               |                      |               | pin B14<br>pin B15 | pin C4<br>pin D4     |

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| MAINT MESSAGE | SOURCE LRU      | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|---------------|-----------------|---------------|--------------------|----------------------|
| 31-56332      | ADF-L<br>M34108 | 34-57-11      | P8-B               | DM34108AB            |
|               |                 |               | pin C2<br>pin C3   | pin B13<br>pin B14   |
|               |                 |               | pin C2<br>pin C3   | pin B13<br>pin B14   |
| 31-56342      | ASM-L<br>M22105 | 22-31-11      | P8-B               | DM22105              |
|               |                 |               | pin c4<br>pin c5   | pin 20<br>pin 8      |
|               |                 |               | pin c4<br>pin c5   | pin 20<br>pin 8      |
| 31-56352      | MMR-L<br>M34410 | 34-58-11      | P8-B               | DM34410AB            |
|               |                 |               | pin C6<br>pin C7   | pin J2<br>pin K2     |
|               |                 |               | pin C6<br>pin C7   | pin J2<br>pin K2     |
| 31-56362      | DME-L<br>M34109 | 34-55-11      | P8-B               | DM34109AB            |
|               |                 |               | pin C8<br>pin C9   | pin G3<br>pin H3     |
|               |                 |               | pin C8<br>pin C9   | pin G3<br>pin H3     |
| 31-56372      | MMR-C<br>M34610 | 34-31-31      | P8-B               | DM34610AB            |
|               |                 |               | pin C10<br>pin C11 | pin G1<br>pin H1     |
|               |                 |               | pin C10<br>pin C11 | pin G1<br>pin H1     |
| 31-56392      | TCAS<br>M34006  | 34-45-13      | P8-B               | DM34006AE            |
|               |                 |               | pin C14<br>pin C15 | pin G7<br>pin H7     |
|               |                 |               | pin C14<br>pin C15 | pin G7<br>pin H7     |
| 31-56402      | MCP-A<br>M22016 | 22-11-15      | P8-B               | DM22016A             |
|               |                 |               | pin D2<br>pin D3   | pin 28<br>pin 29     |
|               |                 |               | pin D2<br>pin D3   | pin 28<br>pin 29     |

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| MAINT MESSAGE              | SOURCE LRU           | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|----------------------------|----------------------|---------------|--------------------|----------------------|
| 31-56412                   | VOR-L<br>M34115      | 34-51-11      | P8-B               | DM34115AB            |
|                            |                      |               | pin D4<br>pin D5   | pin B13<br>pin C13   |
|                            |                      |               | pin D4<br>pin D5   | pin B13<br>pin C13   |
| 31-56422                   | DU-R OUTBD<br>N31201 | 31-61-17      | P8-B               | DN31201AB            |
|                            |                      |               | pin D6<br>pin D7   | pin A3<br>pin A4     |
|                            |                      |               | pin D6<br>pin D7   | pin A3<br>pin A4     |
| 31-56432                   | EFIS CP-R<br>M31202  | 31-61-19      | P8-B               | DM31202B             |
|                            |                      |               | pin D8<br>pin D9   | pin 7<br>pin 8       |
|                            |                      |               | pin D8<br>pin D9   | pin 7<br>pin 8       |
| 31-56442                   | RA-R<br>M34212       | 34-33-22      | P8-B               | DM34212AB            |
|                            |                      |               | pin D10<br>pin D11 | pin B2<br>pin B3     |
|                            |                      |               | pin D10<br>pin D11 | pin B2<br>pin B3     |
| 31-56452                   | DU-C LWR<br>N31302   | 31-61-17      | P8-B               | DN31302AB            |
|                            |                      |               | pin D12<br>pin D13 | pin A3<br>pin A4     |
|                            |                      |               | pin D12<br>pin D13 | pin A3<br>pin A4     |
| 31-56462 (IF<br>INSTALLED) | SDU-L<br>M23106      | 23-15-15      | P8-B               | DM23106AB            |
|                            |                      |               | pin D14<br>pin D15 | pin J1<br>pin K1     |
|                            |                      |               | pin D14<br>pin D15 | pin J1<br>pin K1     |

- (b) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
- (c) Remove the applicable source LRU:
- 1) RTP-C (Radio Tuning Panel-C). To remove it, do this task: Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801.
  - 2) VHF XCVR-C (VHF Communication Transceiver-C). To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - 3) DU-L OUTBD (Display Unit-Left Outboard). To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.

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- 4) VHF XCVR-C (VHF Communication Transceiver-C). To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - 5) VHF XCVR-C (VHF Communication Transceiver-C). To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - 6) ADF-L (Automatic Direction Finder-L). To remove it, do this task: ADF Receiver Removal, AMM TASK 34-57-01-000-801.
  - 7) ASM-L (Autothrottle Servo Motor-L). To remove it, do this task: Autothrottle Servomotor (ASM) and Gearbox Removal, AMM TASK 76-12-01-000-805-H00.
  - 8) MMR-L (Multi-Mode Receiver-L). To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - 9) DME-L (Distance Measuring Equipment-L). To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
  - 10) MMR-C (Multi-Mode Receiver-C). To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - 11) TCAS (Traffic Alert and Collision Avoidance System). To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
  - 12) MCP-A (Mode Control Panel). To remove it, do this task: Mode Control Panel Removal, AMM TASK 22-11-02-000-801.
  - 13) VOR-L (VHF Omnidirectional Range-L). To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.
  - 14) DU-R OUTBD (Display Unit-Right Outboard). To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - 15) EFIS CP-R (EFIS Control Panel-R). To remove it, do this task: EFIS Control Panel Removal, AMM TASK 31-61-02-000-801.
  - 16) RA-R (Radio Altimeter-R). To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
  - 17) DU-C LWR (Display Unit-Center Lower). To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - 18) SDU-L (Satellite Data Unit-L). To remove it, do this task: Satellite Data Unit Removal, AMM TASK 23-15-10-000-801.
- (d) Do a wiring check between the specified pins of the applicable connectors.
- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the applicable source LRU:
    - a) RTP-C (Radio Tuning Panel-C). To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
    - b) VHF XCVR-C (VHF Communication Transceiver-C). To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
    - c) DU-L OUTBD (Display Unit-Left Outboard). To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
    - d) VHF XCVR-C (VHF Communication Transceiver-C). To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
    - e) VHF XCVR-C (VHF Communication Transceiver-C). To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.

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- f) ADF-L (Automatic Direction Finder-L). To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
  - g) ASM-L (Autothrottle Servo Motor-L). To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
  - h) MMR-L (Multi-Mode Receiver-L). To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - i) DME-L (Distance Measuring Equipment-L). To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
  - j) MMR-C (Multi-Mode Receiver-C). To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - k) TCAS (Traffic Alert and Collision Avoidance System). To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
  - l) MCP-A (Mode Control Panel). To install it, do this task: Mode Control Panel Installation, AMM TASK 22-11-02-400-801.
  - m) VOR-L (VHF Omnidirectional Range-L). To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
  - n) DU-R OUTBD (Display Unit-Right Outboard). To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - o) EFIS CP-R (EFIS Control Panel-R). To install it, do this task: EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.
  - p) RA-R (Radio Altimeter-R). To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - q) DU-C LWR (Display Unit-Center Lower). To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - r) SDU-L (Satellite Data Unit-L). To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
- 3) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 921. IOM(M009) in AIMS-L No Input from LRU on 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-58201, 31-58211, 31-58221, 31-58241, 31-58251, 31-58261, 31-58281, 31-58291, 31-58301, 31-58311, 31-58331, 31-58341, 31-58351, 31-58361, 31-58371, 31-58381, 31-58391, 31-58401, 31-58411, 31-58421, 31-58431, 31-58461.

#### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.

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- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring (SSM 31-41-03):
- (a) In the list below, find the source LRU, connector numbers, and pin numbers for the applicable maintenance message.

| MAINT MESSAGE | SOURCE LRU           | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|---------------|----------------------|---------------|--------------------|----------------------|
| 31-58201      | HF XCVR-L<br>M23101  | 23-11-11      | P9-A               | DM23101AB            |
|               |                      |               | pin A4             | pin C4               |
|               |                      |               | pin A5             | pin D4               |
| 31-58211      | CCD-R<br>M31203      | 31-61-18      | P9-A               | DM31203B             |
|               |                      |               | pin A6             | pin 23               |
|               |                      |               | pin A7             | pin 21               |
| 31-58221      | TCAS<br>M34006       | 34-45-13      | P9-A               | DM34006AF            |
|               |                      |               | pin A8             | pin E6               |
|               |                      |               | pin A9             | pin F6               |
| 31-58241      | WHCU-L<br>M30101     | 30-41-13      | P9-A               | DM30101AB            |
|               |                      |               | pin A12            | pin 28               |
|               |                      |               | pin A13            | pin 29               |
| 31-58251      | WXR XCVR-L<br>M34116 | 34-43-11      | P9-A               | DM34116AB            |
|               |                      |               | pin A14            | pin J1               |
|               |                      |               | pin A15            | pin K1               |
| 31-58261      | VHF XCRV-L<br>M23103 | 23-12-12      | P9-A               | DM23103AB            |
|               |                      |               | pin A16            | pin C4               |
|               |                      |               | pin A17            | pin D4               |

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| <b>MAINT MESSAGE</b>    | <b>SOURCE LRU</b>    | <b>WDM REFERENCE</b> | <b>AIMS IOM CONNECTOR</b> | <b>SOURCE LRU CONNECTOR</b> |
|-------------------------|----------------------|----------------------|---------------------------|-----------------------------|
| 31-58281                | ATC XPDR-L<br>M34107 | 34-53-12             | P9-A                      | DM34107AB                   |
|                         |                      |                      | pin B8                    | pin C6                      |
|                         |                      |                      | pin B9                    | pin D6                      |
| 31-58291                | VHF XCRV-L<br>M23103 | 23-12-12             | P9-A                      | DM23103AB                   |
|                         |                      |                      | pin B10                   | pin C14                     |
|                         |                      |                      | pin B11                   | pin D14                     |
| 31-58301                | FCP<br>M31004        | 31-33-11             | P9-A                      | DM31004A                    |
|                         |                      |                      | pin B12                   | pin S-                      |
|                         |                      |                      | pin B13                   | pin T-                      |
| 31-58311 (IF INSTALLED) | CFS                  | 23-36-31             | P9-A                      | DM23443AA                   |
|                         |                      |                      | pin B14                   | pin 53                      |
|                         |                      |                      | pin B15                   | pin 54                      |
| 31-58331                | RA-R<br>M34212       | 34-33-22             | P9-B                      | DM34212AB                   |
|                         |                      |                      | pin C2                    | pin B2                      |
|                         |                      |                      | pin C3                    | pin B3                      |
| 31-58341                | MMR-L<br>M34410      | 34-58-11             | P9-B                      | DM34410AB                   |
|                         |                      |                      | pin C4                    | pin C2                      |
|                         |                      |                      | pin C5                    | pin D2                      |
| 31-58351                | DU-L OUTBD<br>N31101 | 31-61-16             | P9-B                      | DN31101AB                   |
|                         |                      |                      | pin C6                    | pin A3                      |
|                         |                      |                      | pin C7                    | pin A4                      |
| 31-58361                | ASM-L<br>M22105      | 22-31-11             | P9-B                      | DM22105                     |
|                         |                      |                      | pin C8                    | pin 20                      |
|                         |                      |                      | pin C9                    | pin 8                       |
| 31-58371                | ADF-L<br>M34108      | 34-57-11             | P9-B                      | DM34108AB                   |
|                         |                      |                      | pin C10                   | pin B10                     |
|                         |                      |                      | pin C11                   | pin B11                     |
| 31-58381                | DME-L<br>M34109      | 34-55-11             | P9-B                      | DM34109AB                   |
|                         |                      |                      | pin C12                   | pin G1                      |
|                         |                      |                      | pin C13                   | pin H1                      |
| 31-58391                | TCAS<br>M34006       | 34-45-13             | P9-B                      | DM34006AE                   |
|                         |                      |                      | pin C14                   | pin C7                      |
|                         |                      |                      | pin C15                   | pin D7                      |

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| MAINT MESSAGE | SOURCE LRU          | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|---------------|---------------------|---------------|--------------------|----------------------|
| 31-58401      | MCP-A<br>M22016     | 22-11-15      | P9-B               | DM22016A             |
|               |                     |               | pin D2             | pin 28               |
|               |                     |               | pin D3             | pin 29               |
| 31-58411      | MMR-C<br>M34610     | 34-31-31      | P9-B               | DM34610AB            |
|               |                     |               | pin D4             | pin G1               |
|               |                     |               | pin D5             | pin H1               |
| 31-58421      | DU-C LWR<br>N31302  | 31-61-17      | P9-B               | DN31302AB            |
|               |                     |               | pin D6             | pin A3               |
|               |                     |               | pin D7             | pin A4               |
| 31-58431      | EFIS CP-L<br>M31102 | 31-61-19      | P9-B               | DM31102B             |
|               |                     |               | pin D8             | pin 7                |
|               |                     |               | pin D9             | pin 8                |
| 31-58461      | VOR-L<br>M34115     | 34-51-11      | P9-B               | DM34115AC            |
|               |                     |               | pin D14            | pin A4               |
|               |                     |               | pin D15            | pin B4               |

- (b) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
- (c) Remove the applicable source LRU:
- 1) HF XCVR-L (HF Communication Transceiver-L). To remove it, do this task: HF Communication Transceiver Removal, AMM TASK 23-11-05-000-801.
  - 2) CCD-R (Cursor Control Device-R). To remove it, do this task: Cursor Control Device Removal, AMM TASK 31-61-07-000-801.
  - 3) TCAS (Traffic Alert and Collision Avoidance System). To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
  - 4) WHCU-L (Window Heat Control Unit-L). To remove it, do this task: Window Heat Control Unit Removal, AMM TASK 30-41-01-000-801.
  - 5) WXR XCVR-L (Weather Radar Transceiver-L). To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
  - 6) VHF XCVR-L (VHF Communication Transceiver-L). To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - 7) ATC XPDR-L (ATC/Mode S Transponder-L). To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
  - 8) VHF XCVR-L (VHF Communication Transceiver-L). To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - 9) FCP (Flight Compartment Printer). To remove it, do this task: Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801.
  - 10) RA-R (Radio Altimeter-R). To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.

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- 11) MMR-L (Multi-Mode Receiver-L). To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - 12) DU-L OUTBD (Display Unit-Left Outboard). To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - 13) ASM-L (Autothrottle Servo Motor-L). To remove it, do this task: Autothrottle Servomotor (ASM) and Gearbox Removal, AMM TASK 76-12-01-000-805-H00.
  - 14) ADF-L (Automatic Direction Finder-L). To remove it, do this task: ADF Receiver Removal, AMM TASK 34-57-01-000-801.
  - 15) DME-L (Distance Measuring Equipment-L). To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
  - 16) TCAS (Traffic Alert and Collision Avoidance System). To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
  - 17) MCP-A (Mode Control Panel). To remove it, do this task: Mode Control Panel Removal, AMM TASK 22-11-02-000-801.
  - 18) MMR-C (Multi-Mode Receiver-C). To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - 19) DU-C LWR (Display Unit-Center Lower). To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - 20) EFIS CP-L (EFIS Control Panel-L). To remove it, do this task: EFIS Control Panel Removal, AMM TASK 31-61-02-000-801.
  - 21) VOR-L (VHF Omnidirectional Range-L). To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.
- (d) Do a wiring check between the specified pins of the applicable connectors.
- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the applicable source LRU:
    - a) HF XCVR-L (HF Communication Transceiver-L). To install it, do this task: HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801.
    - b) CCD-R (Cursor Control Device-R). To install it, do this task: Cursor Control Device Installation, AMM TASK 31-61-07-400-801.
    - c) TCAS (Traffic Alert and Collision Avoidance System). To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
    - d) WHCU-L (Window Heat Control Unit-L). To install it, do this task: Window Heat Control Unit Removal, AMM TASK 30-41-01-000-801.
    - e) WXR XCVR-L (Weather Radar Transceiver-L). To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
    - f) VHF XCVR-L (VHF Communication Transceiver-L). To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
    - g) ATC XPDR-L (ATC/Mode S Transponder-L). To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
    - h) VHF XCVR-L (VHF Communication Transceiver-L). To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
    - i) FCP (Flight Compartment Printer). To install it, do this task: Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.

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- j) RA-R (Radio Altimeter-R). To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - k) MMR-L (Multi-Mode Receiver-L). To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - l) DU-L OUTBD (Display Unit-Left Outboard). To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - m) ASM-L (Autothrottle Servo Motor-L). To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
  - n) ADF-L (Automatic Direction Finder-L). To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
  - o) DME-L (Distance Measuring Equipment-L). To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
  - p) TCAS (Traffic Alert and Collision Avoidance System). To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
  - q) MCP-A (Mode Control Panel). To install it, do this task: Mode Control Panel Installation, AMM TASK 22-11-02-400-801.
  - r) MMR-C (Multi-Mode Receiver-C). To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - s) DU-C LWR (Display Unit-Center Lower). To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - t) EFIS CP-L (EFIS Control Panel-L). To install it, do this task: EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.
  - u) VOR-L (VHF Omnidirectional Range-L). To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
- 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

## 922. IOM(M009) in AIMS-R No Input from LRU on 429 Bus - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-58202, 31-58212, 31-58222, 31-58232, 31-58242, 31-58252, 31-58262, 31-58272, 31-58282, 31-58302, 31-58312, 31-58322, 31-58332, 31-58342, 31-58352, 31-58362, 31-58372, 31-58392, 31-58402, 31-58412, 31-58422, 31-58432, 31-58442, 31-58452, 31-58462.

### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring (SSM 31-41-06):
- (a) In the list below, find the source LRU, connector numbers, and pin numbers for the applicable maintenance message.

| MAIN MESSAGE | SOURCE LRU           | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|--------------|----------------------|---------------|--------------------|----------------------|
| 31-58202     | HF XCVR-L<br>M23101  | 23-11-11      | P9-A               | DM23101AB            |
|              |                      |               | pin A4             | pin C4               |
|              |                      |               | pin A5             | pin D4               |
| 31-58212     | CCD-L<br>M31303      | 31-61-18      | P9-A               | DM31103B             |
|              |                      |               | pin A6             | pin 23               |
|              |                      |               | pin A7             | pin 21               |
| 31-58222     | TCAS<br>M34006       | 34-45-13      | P9-A               | DM34006AF            |
|              |                      |               | pin A8             | pin E6               |
|              |                      |               | pin A9             | pin F6               |
| 31-58232     | ATC XPDR-L<br>M34107 | 34-53-12      | P9-A               | DM34107AB            |
|              |                      |               | pin A10            | pin C6               |
|              |                      |               | pin A11            | pin D6               |
| 31-58242     | WHCU-L<br>M30101     | 30-41-13      | P9-A               | DM30101AB            |
|              |                      |               | pin A12            | pin 28               |
|              |                      |               | pin A13            | pin 29               |
| 31-58252     | WXR XCVR-L<br>M34116 | 34-43-11      | P9-A               | DM34116AB            |
|              |                      |               | pin A14            | pin J1               |
|              |                      |               | pin A15            | pin K1               |
| 31-58262     | CFS<br>M23443        | 23-36-31      | P9-A               | DM23443AA            |
|              |                      |               | pin A16            | pin 53               |
|              |                      |               | pin A17            | pin 54               |

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| MAIN MESSAGE | SOURCE LRU           | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|--------------|----------------------|---------------|--------------------|----------------------|
| 31-58272     | VHF XCRV-L<br>M23103 | 23-12-12      | P9-A               | DM23103AB            |
|              |                      |               | pin B6             | pin C14              |
|              |                      |               | pin B7             | pin D14              |
| 31-58282     | MMR-L<br>M34410      | 34-31-11      | P9-A               | DM34410AB            |
|              |                      |               | pin B8             | pin G1               |
|              |                      |               | pin B9             | pin H1               |
| 31-58302     | FCP<br>M31004        | 31-33-11      | P9-A               | DM31004A             |
|              |                      |               | pin B12            | pin S-               |
|              |                      |               | pin B13            | pin T-               |
| 31-58312     | ATC XPDR-L<br>M34107 | 34-53-12      | P9-A               | DM34107AB            |
|              |                      |               | pin B14            | pin E5               |
|              |                      |               | pin B15            | pin F5               |
| 31-58322     | ATC XPDR-L<br>M34107 | 34-53-12      | P9-A               | DM34107AA            |
|              |                      |               | pin B16            | pin G5               |
|              |                      |               | pin B17            | pin H5               |
| 31-58332     | ADF-L<br>M34108      | 34-57-11      | P9-B               | DM34108AB            |
|              |                      |               | pin C2             | pin B13              |
|              |                      |               | pin C3             | pin B14              |
| 31-58342     | ASM-L<br>M22105      | 22-31-11      | P9-B               | DM22105              |
|              |                      |               | pin C4             | pin 20               |
|              |                      |               | pin C5             | pin 8                |
| 31-58352     | MMR-L<br>M34410      | 34-58-11      | P9-B               | DM34410AB            |
|              |                      |               | pin C6             | pin J2               |
|              |                      |               | pin C7             | pin K2               |
| 31-58362     | DME-L<br>M34109      | 34-55-11      | P9-B               | DM34109AB            |
|              |                      |               | pin C8             | pin G3               |
|              |                      |               | pin C9             | pin H3               |
| 31-58372     | MMR-C<br>M34610      | 34-31-31      | P9-B               | DM34610AB            |
|              |                      |               | pin C10            | pin G1               |
|              |                      |               | pin C11            | pin H1               |
| 31-58392     | TCAS<br>M34006       | 34-45-13      | P9-B               | DM34006AE            |
|              |                      |               | pin C14            | pin G7               |
|              |                      |               | pin C15            | pin H7               |

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| MAIN MESSAGE               | SOURCE LRU           | WDM REFERENCE | AIMS IOM CONNECTOR | SOURCE LRU CONNECTOR |
|----------------------------|----------------------|---------------|--------------------|----------------------|
| 31-58402                   | MCP-A<br>M22016      | 22-11-15      | P9-B               | DM22016A             |
|                            |                      |               | pin D2             | pin 28               |
|                            |                      |               | pin D3             | pin 29               |
| 31-58412                   | VOR-L<br>M34115      | 34-51-11      | P9-B               | DM34115AB            |
|                            |                      |               | pin D4             | pin B13              |
|                            |                      |               | pin D5             | pin C13              |
| 31-58422                   | DU-R OUTBD<br>N31201 | 31-61-17      | P9-B               | DN31201AB            |
|                            |                      |               | pin D6             | pin A3               |
|                            |                      |               | pin D7             | pin A4               |
| 31-58432                   | EFIS CP-R<br>M31202  | 31-61-19      | P9-B               | DM31202B             |
|                            |                      |               | pin D8             | pin 7                |
|                            |                      |               | pin D9             | pin 8                |
| 31-58442                   | RA-R<br>M34212       | 34-33-22      | P9-B               | DM34212AB            |
|                            |                      |               | pin D10            | pin B2               |
|                            |                      |               | pin D11            | pin B3               |
| 31-58452                   | DU-C LWR<br>N31302   | 31-61-17      | P9-B               | DN31302AB            |
|                            |                      |               | pin D12            | pin A3               |
|                            |                      |               | pin D13            | pin A4               |
| 31-58462 (IF<br>INSTALLED) | SDU-L<br>M23106      | 23-15-15      | P9-B               | DM23106AB            |
|                            |                      |               | pin D14            | pin J1               |
|                            |                      |               | pin D15            | pin K1               |

(b) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801

(c) Remove the applicable source LRU:

- 1) HF XCVR-L (HF Communication Transceiver-L). To remove it, do this task: HF Communication Transceiver Removal, AMM TASK 23-11-05-000-801.
- 2) CCD-L (Cursor Control Device-L). To remove it, do this task: Cursor Control Device Removal, AMM TASK 31-61-07-000-801.
- 3) TCAS (Traffic Alert and Collision Avoidance System). To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
- 4) ATC XPDR-L (ATC/Mode S Transponder-L). To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
- 5) WHCU-L (Window Heat Control Unit-L). To remove it, do this task: Window Heat Control Unit Removal, AMM TASK 30-41-01-000-801.
- 6) WXR XCVR-L (Weather Radar Transceiver-L). To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.

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- 7) VHF XCVR-L (VHF Communication Transceiver-L). To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - 8) MMR-L (Multi-Mode Receiver-L). To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - 9) FCP (Flight Compartment Printer). To remove it, do this task: Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801.
  - 10) ATC XPDR-L (ATC/Mode S Transponder-L). To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
  - 11) ATC XPDR-L (ATC/Mode S Transponder-L). To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
  - 12) ADF-L (Automatic Direction Finder-L). To remove it, do this task: ADF Receiver Removal, AMM TASK 34-57-01-000-801.
  - 13) ASM-L (Autothrottle Servo Motor-L). To remove it, do this task: Autothrottle Servomotor (ASM) and Gearbox Removal, AMM TASK 76-12-01-000-805-H00.
  - 14) MMR-L (Multi-Mode Receiver-L). To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - 15) DME-L (Distance Measuring Equipment-L). To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
  - 16) MMR-C (Multi-Mode Receiver-C). To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - 17) TCAS (Traffic Alert and Collision Avoidance System). To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
  - 18) MCP-A (Mode Control Panel). To remove it, do this task: Mode Control Panel Removal, AMM TASK 22-11-02-000-801.
  - 19) VOR-L (VHF Omnidirectional Range-L). To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.
  - 20) DU-R OUTBD (Display Unit-Right Outboard). To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - 21) EFIS CP-R (EFIS Control Panel-R). To remove it, do this task: EFIS Control Panel Removal, AMM TASK 31-61-02-000-801.
  - 22) RA-R (Radio Altimeter-R). To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
  - 23) DU-C LWR (Display Unit-Center Lower). To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - 24) SDU-L (Satellite Data Unit-L). To remove it, do this task: Satellite Data Unit Removal, AMM TASK 23-15-10-000-801.
- (d) Do a wiring check between the specified pins of the applicable connectors.
- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the applicable source LRU:
    - a) HF XCVR-L (HF Communication Transceiver-L). To install it, do this task: HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801.
    - b) CCD-L (Cursor Control Device-L). To install it, do this task: Cursor Control Device Installation, AMM TASK 31-61-07-400-801.

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- c) TCAS (Traffic Alert and Collision Avoidance System). To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
- d) ATC XPDR-L (ATC/Mode S Transponder-L). To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- e) WHCU-L (Window Heat Control Unit-L). To install it, do this task: Window Heat Control Unit Removal, AMM TASK 30-41-01-000-801.
- f) WXR XCVR-L (Weather Radar Transceiver-L). To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
- g) VHF XCVR-L (VHF Communication Transceiver-L). To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- h) MMR-L (Multi-Mode Receiver-L). To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
- i) FCP (Flight Compartment Printer). To install it, do this task: Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.
- j) ATC XPDR-L (ATC/Mode S Transponder-L). To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- k) ATC XPDR-L (ATC/Mode S Transponder-L). To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- l) ADF-L (Automatic Direction Finder-L). To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
- m) ASM-L (Autothrottle Servo Motor-L). To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
- n) MMR-L (Multi-Mode Receiver-L). To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
- o) DME-L (Distance Measuring Equipment-L). To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
- p) MMR-C (Multi-Mode Receiver-C). To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
- q) TCAS (Traffic Alert and Collision Avoidance System). To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
- r) MCP-A (Mode Control Panel). To install it, do this task: Mode Control Panel Installation, AMM TASK 22-11-02-400-801.
- s) VOR-L (VHF Omnidirectional Range-L). To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
- t) DU-R OUTBD (Display Unit-Right Outboard). To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- u) EFIS CP-R (EFIS Control Panel-R). To install it, do this task: EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.
- v) RA-R (Radio Altimeter-R). To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
- w) DU-C LWR (Display Unit-Center Lower). To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- x) SDU-L (Satellite Data Unit-L). To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.

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- 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 923. IOM in AIMS has a Discrete Fault on an Unused Output - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-53201, 31-53202, 31-53212, 31-53221, 31-53222, 31-53231, 31-53232, 31-53261, 31-53262, 31-53271, 31-53272, 31-53301, 31-53302, 31-53311, 31-53341, 31-53342, 31-55201, 31-55202, 31-55212, 31-55221, 31-55222, 31-55231, 31-55232, 31-55261, 31-55262, 31-55271, 31-55272, 31-55301, 31-55302, 31-55311, 31-55312, 31-55341, 31-55342, 31-57211, 31-57212, 31-57222, 31-57241, 31-57242, 31-57262, 31-57281, 31-57282, 31-57301, 31-57302, 31-57312, 31-57341, 31-57342, 31-59211, 31-59212, 31-59221, 31-59222, 31-59232, 31-59241, 31-59242, 31-59261, 31-59262, 31-59281, 31-59282, 31-59301, 31-59302, 31-59312, 31-59341, 31-59342.

##### B. Fault Isolation Procedure

- (1) Do these steps to replace the applicable LRM:
  - (a) In the list below, find the AIMS LRM for the applicable maintenance message (xx is any number from 20 to 35).

| MAINT MESSAGE | AIMS LRM       |
|---------------|----------------|
| 31-53xx1      | L-AIMS<br>M003 |
| 31-53xx2      | R-AIMS<br>M003 |
| 31-55xx1      | L-AIMS<br>M004 |
| 31-55xx2      | R-AIMS<br>M004 |
| 31-57xx1      | L-AIMS<br>M008 |
| 31-57xx2      | R-AIMS<br>M008 |
| 31-59xx1      | L-AIMS<br>M009 |
| 31-59xx2      | R-AIMS<br>M009 |

- (b) Replace the applicable LRM.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 924. Left AIMS IOM(M008) Discrete Output 10 Fault - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-57291.

##### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the left AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Disconnect the connector DM22105 from the left autothrottle servo motor (WDM 22-31-11).
- (c) Do a wiring check between these pins of the IOM connector J410 in the left AIMS cabinet and connector DM22105 (WDM 22-31-11):

| J410-B | DM22105 |
|--------|---------|
| pin D4 | pin 2   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-connect DM22105 connector to the left autothrottle servo motor (WDM 22-31-11).
  - 3) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect DM22105 connector to the left autothrottle servo motor (WDM 22-31-11).

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- (3) Do this check of the wiring:
- (a) Disconnect the connector DM22205 from the right autothrottle servo motor (WDM 22-31-12).
  - (b) Do a wiring check between these pins of the IOM connector J410 in the left AIMS cabinet and connector DM22205 (WDM 22-31-12):

| <b>J410-B</b>    | <b>DM22205</b> |
|------------------|----------------|
| pin D4 . . . . . | pin 2          |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-connect DM22205 connector to the right autothrottle servo motor (WDM 22-31-12).
  - 3) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 925. Right AIMS IOM(M008) Discrete Output 10 Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-57292.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect the connector DM22205 from the right autothrottle servo motor (WDM 22-31-12).
  - (c) Do a wiring check between these pins of the IOM connector J410 in the right AIMS cabinet and connector DM22205 (WDM 22-31-12):

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### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between these pins of the IOM connectors J410 and J420 in the left AIMS cabinet (SSM 31-41-04):

**J420-B (L-AIMS)**

pin E2 . . . . . pin E2

**J410-B (L-AIMS)**

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:
- (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Do a wiring check between these pins of the IOM connector J410 in the right and left AIMS cabinet (WDM 31-61-43) (SSM 31-41-04) (SSM 31-41-07):

**J410-B (R-AIMS)**

pin E2 . . . . . pin E2

**J410-B (L-AIMS)**

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
    - 1) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (4) Do this check of the wiring:
    - (a) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
    - (b) Do a wiring check between these pins of the IOM connectors J420 in the right AIMS cabinet and J410 in the left AIMS cabinet (WDM 31-61-43) (SSM 31-41-04) (SSM 31-41-07):
- |                        |                        |
|------------------------|------------------------|
| <b>J420-B (R-AIMS)</b> | <b>J410-B (L-AIMS)</b> |
| pin E2 . . . . .       | pin E2                 |
- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
    - 1) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (5) Do this check of the wiring:
    - (a) Remove the weather radar control panel, M34025. To remove it, do this task: WXR Control Panel Removal, AMM TASK 34-43-01-000-801.
    - (b) Do a wiring check between these pins of the IOM connector J410 in the left AIMS cabinet and connector DM34025 (WDM 31-61-43) (WDM 31-41-04):

|                  |                 |
|------------------|-----------------|
| <b>J410-B</b>    | <b>DM34025A</b> |
| pin E2 . . . . . | pin G           |

|                  |                 |
|------------------|-----------------|
| <b>J410-B</b>    | <b>DM34025B</b> |
| pin E2 . . . . . | pin G           |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the weather radar control panel. To install it, do this task: WXR Control Panel Installation, AMM TASK 34-43-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 927. Right AIMS IOM(M008) Discrete Output 13 Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-57322.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connector J420 and J410 in the right AIMS cabinet (SSM 31-41-07):

**J420-B (R-AIMS)**

**J410-B (R-AIMS)**

pin E2 . . . . . pin E2

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (e) If you did not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:

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- (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Do a wiring check between these pins of the IOM connector J410 in the left and right AIMS cabinet (WDM 31-61-43) (SSM 31-41-04) (SSM 31-41-07):

|                        |                        |
|------------------------|------------------------|
| <b>J410-B (L-AIMS)</b> | <b>J410-B (R-AIMS)</b> |
| pin E2 . . . . .       | pin E2                 |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (d) If you did not find a problem with the wiring, then continue.
    - 1) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Do this check of the wiring:
- (a) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J420 in the left AIMS cabinet and J410 in the right AIMS cabinet (WDM 31-61-43) (SSM 31-41-04) (SSM 31-41-07):

|                        |                        |
|------------------------|------------------------|
| <b>J420-B (L-AIMS)</b> | <b>J410-B (R-AIMS)</b> |
| pin E2 . . . . .       | pin E2                 |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (d) If you did not find a problem with the wiring, then continue.
    - 1) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Do this check of the wiring:
- (a) Remove the weather radar control panel, M34025. To remove it, do this task: WXR  
Control Panel Removal, AMM TASK 34-43-01-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J410 in the right AIMS cabinet and connector DM34025 (WDM 31-61-43) (WDM 31-41-07):

|                  |                 |
|------------------|-----------------|
| <b>J410-B</b>    | <b>DM34025A</b> |
| pin E2 . . . . . | pin G           |

|                  |                 |
|------------------|-----------------|
| <b>J410-B</b>    | <b>DM34025B</b> |
| pin E2 . . . . . | pin G           |

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- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the weather radar control panel. To install it, do this task: WXR Control Panel Installation, AMM TASK 34-43-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### 928. Left AIMS IOM(M008) Discrete Output 08 Fault - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-57271.

##### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do these checks of the wiring:
  - (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the left VHF communication transceiver. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - (c) Do a wiring check between these pins of the IOM connector J410 in the left AIMS cabinet and connector DM23103AB (WDM 23-27-21):

#### J410-B

#### DM23103AB

pin D2 . . . . . pin B8

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the left VHF communication transceiver. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.

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- 3) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**929. Right AIMS IOM(M008) Discrete Output 08 Fault - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-57272.

**B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do these checks of the wiring:
  - (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the center VHF communication transceiver. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - (c) Do a wiring check between these pins of the IOM connector J410 in the right AIMS cabinet and connector DM23303AB (WDM 23-27-23):

**J410-B**

**DM23303AB**

pin D2 . . . . . pin B8

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the center VHF communication transceiver. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 3) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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**930. Right AIMS IOM(M008) Discrete Output 16 Fault - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-57352.

**B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do these checks of the wiring:
- (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the right VHF communication transceiver. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
- (c) Do a wiring check between these pins of the IOM connector J410 in the right AIMS cabinet and connector DM23203AB (WDM 23-27-23):
- |                  |                  |
|------------------|------------------|
| <b>J410-B</b>    | <b>DM23203AB</b> |
| pin E5 . . . . . | pin B8           |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the right VHF communication transceiver. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 3) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**931. Left AIMS IOM(M009) Discrete Output 04 Fault - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-59231.

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### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do these checks of the wiring:
  - (a) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J420 in the left AIMS cabinet and connector DM23106AB (WDM 23-27-51):

|                  |                  |
|------------------|------------------|
| <b>J420-B</b>    | <b>DM23106AB</b> |
| pin C4 . . . . . | pin A8           |
- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

## 932. Left AIMS IOM(M009) Discrete Output 08 Fault - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-59271.

### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

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## 31-41 TASKS 931-932

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### C. Fault Isolation Procedure

- (1) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 949. Left AIMS IOM(M009) Discrete Output 10 Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-59291.

#### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
    - (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
    - (b) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
    - (c) Do a wiring check between these pins of the IOM connectors J410 and J420 in the left AIMS cabinet (SSM 31-41-04):

|               |               |
|---------------|---------------|
| <b>J410-B</b> | <b>J420-B</b> |
| pin D4        | pin D4        |
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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## 31-41 TASKS 932-949

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If you do not find a problem with the wiring, then continue.
  - (f) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:
- (a) Disconnect the connector DM22105 from the left autothrottle servo motor (WDM 22-31-11).
  - (b) Do a wiring check between these pins of the IOM connector J420 in the left AIMS cabinet and connector DM22105 (WDM 22-31-11) (SSM 31-41-04):

| <b>J420-B</b>    | <b>DM22105</b> |
|------------------|----------------|
| pin D4 . . . . . | pin 2          |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-connect DM22105 connector to the left autothrottle servo motor (WDM 22-31-11).
    - 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (d) If you do not find a problem with the wiring, then continue.
  - (e) Re-connect DM22105 connector to the left autothrottle servo motor (WDM 22-31-11).
- (4) Do this check of the wiring:
- (a) Disconnect the connector DM22205 from the right autothrottle servo motor (WDM 22-31-12).
  - (b) Do a wiring check between these pins of the IOM connector J420 in the left AIMS cabinet and connector DM22205 (WDM 22-31-12) (SSM 31-41-04):

| <b>J420-B</b>    | <b>DM22205</b> |
|------------------|----------------|
| pin D4 . . . . . | pin 2          |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-connect DM22205 connector to the right autothrottle servo motor (WDM 22-31-12).
  - 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

### 950. Right AIMS IOM(M009) Discrete Output 10 Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-59292.

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## 31-41 TASKS 949-950

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### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

    - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - (b) If the MAT shows LATCHED for the maintenance message, then continue.
  - (2) Do this check of the wiring:
    - (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
    - (b) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
    - (c) Do a wiring check between these pins of the IOM connectors J410 and J420 in the right AIMS cabinet (SSM 31-41-07):

|                  |               |
|------------------|---------------|
| <b>J410-B</b>    | <b>J420-B</b> |
| pin D4 . . . . . | pin D4        |
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If you do not find a problem with the wiring, then continue.
  - (f) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:
    - (a) Disconnect the connector DM22105 from the left autothrottle servo motor (WDM 22-31-11).
    - (b) Do a wiring check between these pins of the IOM connector J420 in the right AIMS cabinet and connector DM22105 (WDM 22-31-11) (SSM 31-41-07):

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## 31-41 TASK 950

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### J420-B

pin D4 . . . . . pin 2

### DM22105

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-connect DM22105 connector to the left autothrottle servo motor (WDM 22-31-11).
  - 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (d) If you do not find a problem with the wiring, then continue.
- (e) Re-connect DM22105 connector to the left autothrottle servo motor (WDM 22-31-11).
- (4) Do this check of the wiring:
  - (a) Disconnect the connector DM22205 from the right autothrottle servo motor (WDM 22-31-12).
  - (b) Do a wiring check between these pins of the IOM connector J420 in the right AIMS cabinet and connector DM22205 (WDM 22-31-12) (SSM 31-41-07):

### J420-B

pin D4 . . . . . pin 2

### DM22205

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-connect DM22205 connector to the right autothrottle servo motor (WDM 22-31-12).
  - 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

## 951. Right AIMS IOM(M003) Discrete Output 12 Fault - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-53312.

### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

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## 31-41 TASKS 950-951

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Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J240 and J420 in the right AIMS cabinet (SSM 31-41-07) (SSM 31-41-08):

### **J240-B (R-AIMS)**

pin E1 . . . . .

### **J420-B (R-AIMS)**

pin E5

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:
  - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J240 in the left and right AIMS cabinets (SSM 31-41-03) (SSM 31-41-08):

### **J240-B (R-AIMS)**

pin E1 . . . . .

### **J240-B (L-AIMS)**

pin E5

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.

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- 1) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J240 in the right AIMS cabinet and P9 in the left AIMS cabinet (SSM 31-41-03) (SSM 31-41-08):

|                        |                        |
|------------------------|------------------------|
| <b>J240-B (R-AIMS)</b> | <b>J420-B (L-AIMS)</b> |
| pin E1 . . . . .       | pin E5                 |
  - (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
    - 1) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Do these checks of the wiring:
  - (a) Remove the TCAS computer, M34006. To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J240 in the right AIMS cabinet and connector DM34006AE (WDM 31-61-45):

|                  |                  |
|------------------|------------------|
| <b>J240-B</b>    | <b>DM34006AE</b> |
| pin E1 . . . . . | pin C14          |

|                  |                  |
|------------------|------------------|
| <b>J240-B</b>    | <b>DM34006AE</b> |
| pin E1 . . . . . | pin E13          |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
  - 3) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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**952. Left AIMS IOM(M003) Discrete Output 16 Fault - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-53351.

**B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the IOM(M003) in the left AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between these pins of the IOM connectors J240 and J420 in the left AIMS cabinet (WDM 31-61-45) (SSM 31-41-04) (SSM 31-41-05):

**J240-B (L-AIMS)**

pin E5 . . . . .

**J420-B (L-AIMS)**

pin E5

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:
- (a) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.

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- (b) Do a wiring check between these pins of the IOM connector J420 in the right AIMS cabinet and J240 in the left AIMS cabinet (SSM 31-41-07) (SSM 31-41-05) (WDM 31-61-45):

| <b>J420-B (R-AIMS)</b> | <b>J240-B (L-AIMS)</b> |
|------------------------|------------------------|
| pin E5 . . . . .       | pin E5                 |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- 1) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (4) Do these checks of the wiring:

- (a) Remove the TCAS computer, M34006. To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
- (b) Do a wiring check between these pins of the IOM connector J240 in the left AIMS cabinet and connector DM34006AE (SSM 31-41-05) (WDM 31-61-45):

| <b>J240-B</b>    | <b>DM34006AE</b> |
|------------------|------------------|
| pin E5 . . . . . | pin C14          |

| <b>J240-B</b>    | <b>DM34006AE</b> |
|------------------|------------------|
| pin E5 . . . . . | pin E13          |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
  - 3) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**953. Left AIMS IOM(M009) Discrete Output 13 Fault - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-59321.

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### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J410 and J420 in the left AIMS cabinet (SSM 31-41-04):

**J410-B (L-AIMS)**

**J420-B (L-AIMS)**

pin E2 . . . . . pin E2

- (d) If you find a problem with the wiring, then do these steps:
      - 1) Repair the wiring.
      - 2) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
      - 3) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
      - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - (e) If you do not find a problem with the wiring, then continue.
      - 1) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (3) Do this check of the wiring:
    - (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
    - (b) Do a wiring check between these pins of the IOM connector J410 in the right AIMS cabinet and J420 in the left AIMS cabinet (WDM 31-61-43) (SSM 31-41-04) (SSM 31-41-07):

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### J410-B (R-AIMS)

pin E2 . . . . . pin E2

### J420-B (L-AIMS)

pin E2

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J420 in the left and right AIMS cabinets (WDM 31-61-43) (SSM 31-41-04) (SSM 31-41-07):

### J420-B (R-AIMS)

pin E2 . . . . . pin E2

### J420-B (L-AIMS)

pin E2

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Do this check of the wiring:
  - (a) Remove the weather radar control panel, M34025. To remove it, do this task: WXR Control Panel Removal, AMM TASK 34-43-01-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J420 in the left AIMS cabinet and connector DM34025 (WDM 31-61-43) (WDM 31-41-04):

### J420-B

pin E2 . . . . . pin G

### DM34025A

pin G

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**J420-B**

pin E2 . . . . . pin G

**DM34025B**

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the weather radar control panel. To install it, do this task: WXR Control Panel Installation, AMM TASK 34-43-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 954. Right AIMS IOM(M009) Discrete Output 13 Fault - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-59322.

##### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the IOM(M009) in the right AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J410 and J420 in the right AIMS cabinet (SSM 31-41-07):

**J410-B (R-AIMS)**

pin E2 . . . . . pin E2

**J420-B (R-AIMS)**

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.

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- 2) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:
  - (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J410 in the left AIMS cabinet and J420 in the right AIMS cabinet (WDM 31-61-43) (SSM 31-41-04) (SSM 31-41-07):

### **J410-B (L-AIMS)**

### **J420-B (R-AIMS)**

pin E2 . . . . . pin E2

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J420 in the left and right AIMS cabinets (WDM 31-61-43) (SSM 31-41-04) (SSM 31-41-07):

### **J420-B (L-AIMS)**

### **J420-B (R-AIMS)**

pin E2 . . . . . pin E2

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (d) If you do not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Do this check of the wiring:
  - (a) Remove the weather radar control panel, M34025. To remove it, do this task: WXR Control Panel Removal, AMM TASK 34-43-01-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J420 in the right AIMS cabinet and connector DM34025 (WDM 31-61-43) (SSM 31-41-07):

|                  |                 |
|------------------|-----------------|
| <b>J420-B</b>    | <b>DM34025A</b> |
| pin E2 . . . . . | pin G           |
|                  |                 |
| <b>J420-B</b>    | <b>DM34025B</b> |
| pin E2 . . . . . | pin G           |
- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the weather radar control panel. To install it, do this task: WXR Control Panel Installation, AMM TASK 34-43-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 955. Left AIMS IOM(M009) Discrete Output 16 Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-59351.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:

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- (a) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between these pins of the IOM connectors J240 and J420 in the left AIMS cabinet (SSM 31-41-03):

|                        |                        |
|------------------------|------------------------|
| <b>J240-B (L-AIMS)</b> | <b>J420-B (L-AIMS)</b> |
| pin E5 . . . . .       | pin E5                 |

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If you do not find a problem with the wiring, then continue.
    - 1) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:
- (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J240 in the right AIMS cabinet and J420 in the left AIMS cabinet (SSM 31-41-03) (SSM 31-41-08):

|                        |                        |
|------------------------|------------------------|
| <b>J240-B (R-AIMS)</b> | <b>J420-B (L-AIMS)</b> |
| pin E1 . . . . .       | pin E5                 |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
    - 1) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Do this check of the wiring:
- (a) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J420 in the left and right AIMS cabinets (SSM 31-41-03) (SSM 31-41-08):

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**J420-B (R-AIMS)**

pin E5 . . . . .

**J420-B (L-AIMS)**

pin E5

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Do these checks of the wiring:
  - (a) Remove the TCAS computer, M34006. To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J420 in the left AIMS cabinet and connector DM34006AE (WDM 31-61-45):

**J420-B**

pin E5 . . . . .

**DM34006AE**

pin C14

**J420-B**

pin E5 . . . . .

**DM34006AE**

pin E13

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
  - 3) Re-install the IOM(M009) from the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

**956. Right AIMS IOM(M009) Discrete Output 16 Fault - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-59352.

**B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.

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- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J240 and J420 in the right AIMS cabinet (SSM 31-41-08):

**J240-B (R-AIMS)**

**J420-B (R-AIMS)**

pin E1 . . . . . pin E5

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:
  - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J240 in the left AIMS cabinet and J420 in the right AIMS cabinet (SSM 31-41-03) (SSM 31-41-08):

**J240-B (L-AIMS)**

**J420-B (R-AIMS)**

pin E5 . . . . . pin E5

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J420 in the left and right AIMS cabinets (SSM 31-41-03) (SSM 31-41-08):

**J420-B (L-AIMS)**

pin E5 . . . . .

**J420-B (R-AIMS)**

pin E5

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Do these checks of the wiring:
  - (a) Remove the TCAS computer, M34006. To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
  - (b) Do a wiring check between these pins of the IOM connector J420 in the right AIMS cabinet and connector DM34006AE (WDM 31-61-45):

**J420-B**

pin E5 . . . . .

**DM34006AE**

pin C14

**J420-B**

pin E5 . . . . .

**DM34006AE**

pin E13

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
  - 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 959. Left AIMS IOM(M003) Discrete Output 13 Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-53321.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connector J240 and J250 in the left AIMS cabinet (SSM 31-41-05):

|                        |                        |
|------------------------|------------------------|
| <b>J240-B (L-AIMS)</b> | <b>J250-B (L-AIMS)</b> |
| pin E2 . . . . .       | pin E2                 |
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (e) If you did not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:

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- (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Do a wiring check between these pins of the IOM connectors J240 in the left and right AIMS cabinet (SSM 31-41-03) (SSM 31-41-08):

|                        |                        |
|------------------------|------------------------|
| <b>J240-B (L-AIMS)</b> | <b>J240-B (R-AIMS)</b> |
| pin E2 . . . . .       | pin E2                 |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (d) If you did not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

(4) Do this check of the wiring:

- (a) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Do a wiring check between these pins of the IOM connectors J240 in the left AIMS cabinet and J240 in the right AIMS cabinet (SSM 31-41-03) (SSM 31-41-08):

|                        |                        |
|------------------------|------------------------|
| <b>J240-B (L-AIMS)</b> | <b>J250-B (R-AIMS)</b> |
| pin E2 . . . . .       | pin E2                 |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (d) If you did not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

(5) Do this check of the wiring:

- (a) Remove the captain's master caution/warning switch, L31101.
- (b) Remove the first officer's master caution/warning switch, L31201.
- (c) Do a wiring check between these pins of the IOM connector J240 in the left AIMS cabinet and connector DL31101 (WDM 22-31-31) (SSM 31-41-05):

|                  |                |
|------------------|----------------|
| <b>J240-B</b>    | <b>DL31101</b> |
| pin E2 . . . . . | pin 16         |

- (d) Do a wiring check between these pins of the IOM connector J240 in the left AIMS cabinet and connector DL31201 (WDM 22-31-31):

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**J240-B**

pin E2 .....

**DL31201**

pin 16

- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the captain's master caution/warning switch, L31101.
  - 4) Re-install the first officer's master caution/warning switch, L31201.
  - 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 960. Right AIMS IOM(M003) Discrete Output 13 Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-53322.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M003) module in the right AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connector J240 and J250 in the right AIMS cabinet (SSM 31-41-08):

**J240-B (R-AIMS)**

pin E2 .....

**J250-B (R-AIMS)**

pin E2

- (d) If you find a problem with the wiring, then do these steps:

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- 1) Repair the wiring.
- 2) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (e) If you did not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:
  - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connectors J240 in the left and right AIMS cabinet (SSM 31-41-03) (SSM 31-41-08):

|                        |                        |
|------------------------|------------------------|
| <b>J240-B (R-AIMS)</b> | <b>J240-B (L-AIMS)</b> |
| pin E2 . . . . .       | pin E2                 |
  - (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (d) If you did not find a problem with the wiring, then continue.
    - 1) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connectors J240 in the right AIMS cabinet and J250 in the left AIMS cabinet (SSM 31-41-03) (SSM 31-41-08):

|                        |                        |
|------------------------|------------------------|
| <b>J240-B (R-AIMS)</b> | <b>J250-B (L-AIMS)</b> |
| pin E2 . . . . .       | pin E2                 |
  - (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (d) If you did not find a problem with the wiring, then continue.
    - 1) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Do this check of the wiring:

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- (a) Remove the captain's master caution/warning switch, L31101.
- (b) Remove the first officer's master caution/warning switch, L31201.
- (c) Do a wiring check between these pins of the IOM connector J240 in the right AIMS cabinet and connector DL31101 (WDM 22-31-31):

| <b>J240-B</b>    | <b>DL31101</b> |
|------------------|----------------|
| pin E2 . . . . . | pin 16         |

- (d) Do a wiring check between these pins of the IOM connector J240 in the left AIMS cabinet and connector DL31201 (WDM 22-31-31):

| <b>J240-B</b>    | <b>DL31201</b> |
|------------------|----------------|
| pin E2 . . . . . | pin 16         |

- (e) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the captain's master caution/warning switch, L31101.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 961. Left AIMS IOM(M003) Discrete Output 14 Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-53331.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.

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- (b) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between these pins of the IOM connector J240 and J250 in the left AIMS cabinet (SSM 31-41-08):

|                        |                        |
|------------------------|------------------------|
| <b>J240-B (L-AIMS)</b> | <b>J250-B (L-AIMS)</b> |
| pin E3 . . . . .       | pin E3                 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (e) If you did not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:
  - (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connectors J240 in the left and right AIMS cabinet (SSM 31-41-03) (SSM 31-41-08):

|                        |                        |
|------------------------|------------------------|
| <b>J240-B (L-AIMS)</b> | <b>J240-B (R-AIMS)</b> |
| pin E3 . . . . .       | pin E3                 |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (d) If you did not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connectors J240 in the left AIMS cabinet and J250 in the right AIMS cabinet (SSM 31-41-03) (SSM 31-41-08):

|                        |                        |
|------------------------|------------------------|
| <b>J240-B (L-AIMS)</b> | <b>J250-B (R-AIMS)</b> |
| pin E3 . . . . .       | pin E3                 |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.

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- 2) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (d) If you did not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Do this check of the wiring:
  - (a) Remove the captain's master caution/warning switch, L31101.
  - (b) Do a wiring check between these pins of the IOM connector J240 in the left AIMS cabinet and connector DL31101 (WDM 22-31-31):

|               |       |                |
|---------------|-------|----------------|
| <b>J240-B</b> |       | <b>DL31101</b> |
| pin E3        | ..... | pin 11         |
| pin E3        | ..... | pin 12         |
- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the captain's master caution/warning switch, L31101.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ———— END OF TASK ————

## 962. Right AIMS IOM(M003) Discrete Output 14 Fault - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-53332.

### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the right AIMS cabinet.

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:

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- (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between these pins of the IOM connector J240 and J250 in the right AIMS cabinet (SSM 31-41-08):

|                        |                        |
|------------------------|------------------------|
| <b>J240-B (R-AIMS)</b> | <b>J250-B (R-AIMS)</b> |
| pin E3 . . . . .       | pin E3                 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (e) If you did not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:
  - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connectors J240 in the left and right AIMS cabinet (SSM 31-41-03) (SSM 31-41-08):

|                        |                        |
|------------------------|------------------------|
| <b>J240-B (R-AIMS)</b> | <b>J240-B (L-AIMS)</b> |
| pin E3 . . . . .       | pin E3                 |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (d) If you did not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connectors J240 in the right AIMS cabinet and J250 in the left AIMS cabinet (SSM 31-41-03) (SSM 31-41-08):

|                        |                        |
|------------------------|------------------------|
| <b>J240-B (R-AIMS)</b> | <b>J250-B (L-AIMS)</b> |
| pin E3 . . . . .       | pin E3                 |

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- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (d) If you did not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Do this check of the wiring:
  - (a) Remove the captain's master caution/warning switch, L31101.
  - (b) Do a wiring check between these pins of the IOM connector J240 in the right AIMS cabinet and connector DL31101 (WDM 22-31-31):

| J240-B           | DL31101 |
|------------------|---------|
| pin E3 . . . . . | pin 11  |
| pin E3 . . . . . | pin 12  |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the captain's master caution/warning switch, L31101.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 963. Left AIMS IOM(M004) Discrete Output 13 Fault - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-55321.

##### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the IOM(M004) in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connector J240 and J250 in the left AIMS cabinet (SSM 31-41-05):

|                        |                        |
|------------------------|------------------------|
| <b>J250-B (L-AIMS)</b> | <b>J240-B (L-AIMS)</b> |
| pin E2 . . . . .       | pin E2                 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (e) If you did not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (3) Do this check of the wiring:
  - (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connectors J250 in the left AIMS cabinet and J240 in the right AIMS cabinet (SSM 31-41-03) (SSM 31-41-08):

|                        |                        |
|------------------------|------------------------|
| <b>J250-B (L-AIMS)</b> | <b>J240-B (R-AIMS)</b> |
| pin E2 . . . . .       | pin E2                 |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (d) If you did not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (4) Do this check of the wiring:
  - (a) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connectors J250 in the left and right AIMS cabinet (SSM 31-41-03) (SSM 31-41-08):

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### J250-B (L-AIMS)

pin E2 . . . . . pin E2

### J250-B (R-AIMS)

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (d) If you did not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Do this check of the wiring:
  - (a) Remove the captain's master caution/warning switch, L31101.
  - (b) Remove the first officer's master caution/warning switch, L31101.
  - (c) Do a wiring check between these pins of the IOM connector J250 in the left AIMS cabinet and connector DL31101 (WDM 22-31-31):

### J250-B

pin E2 . . . . . pin 16

### DL31101

- (d) Do a wiring check between these pins of the IOM connector J250 in the left AIMS cabinet and connector DL31201 (WDM 22-31-31):

### J250-B

pin E2 . . . . . pin 16

### DL31201

- (e) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the captain's master caution/warning switch, L31101.
  - 4) Re-install the first officer's master caution/warning switch, L31101.
  - 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

## 964. Right AIMS IOM(M004) Discrete Output 13 Fault - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-55322.

### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.

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- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connector J240 and J250 in the right AIMS cabinet (SSM 31-41-08):

**J250-B (R-AIMS)**

**J240-B (R-AIMS)**

pin E2 . . . . . pin E2

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (e) If you did not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:
  - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connectors J250 in the right AIMS cabinet and J240 in the left AIMS cabinet (SSM 31-41-03) (SSM 31-41-08):

**J250-B (R-AIMS)**

**J240-B (L-AIMS)**

pin E2 . . . . . pin E2

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (d) If you did not find a problem with the wiring, then continue.
- 1) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Do this check of the wiring:
- (a) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connectors J250 in the left and right AIMS cabinet (SSM 31-41-03) (SSM 31-41-08):
- | <b>J250-B (R-AIMS)</b> | <b>J250-B (L-AIMS)</b> |
|------------------------|------------------------|
| pin E2 . . . . .       | pin E2                 |
- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (d) If you did not find a problem with the wiring, then continue.
- 1) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Do this check of the wiring:
- (a) Remove the captain's master caution/warning switch, L31101.
  - (b) Remove the first officer's master caution/warning switch, L31101.
  - (c) Do a wiring check between these pins of the IOM connector J250 in the right AIMS cabinet and connector DL31101 (WDM 22-31-31):
- | <b>J250-B</b>    | <b>DL31101</b> |
|------------------|----------------|
| pin E2 . . . . . | pin 16         |
- (d) Do a wiring check between these pins of the IOM connector J250 in the right AIMS cabinet and connector DL31201 (WDM 22-31-31):
- | <b>J250-B</b>    | <b>DL31201</b> |
|------------------|----------------|
| pin E2 . . . . . | pin 16         |
- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the captain's master caution/warning switch, L31101.
  - 4) Re-install the first officer's master caution/warning switch, L31101.
  - 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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965. Left AIMS IOM(M004) Discrete Output 14 Fault - Fault Isolation

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-55331.

**B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the IOM(M004) in the left AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between these pins of the IOM connector J240 and J250 in the left AIMS cabinet (SSM 31-41-03):

**J250-B (L-AIMS)**

pin E3 . . . . .

**J240-B (L-AIMS)**

pin E3

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (e) If you did not find a problem with the wiring, then continue.
- 1) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:
- (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Do a wiring check between these pins of the IOM connectors J250 in the left AIMS cabinet and J240 in the right AIMS cabinet (SSM 31-41-03) (SSM 31-41-08):

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### J250-B (L-AIMS)

pin E3 . . . . .

### J240-B (R-AIMS)

pin E3

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (d) If you did not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connectors J250 in the left and right AIMS cabinet (SSM 31-41-03) (SSM 31-41-08):

### J250-B (L-AIMS)

pin E3 . . . . .

### J250-B (R-AIMS)

pin E3

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (d) If you did not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Do this check of the wiring:
  - (a) Remove the captain's master caution/warning switch, L31101.
  - (b) Do a wiring check between these pins of the IOM connector J250 in the left AIMS cabinet and connector DL31101 (WDM 22-31-31):

### J250-B

pin E2 . . . . .

pin E2 . . . . .

### DL31101

pin 11

pin 12

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the captain's master caution/warning switch, L31101.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 966. Right AIMS IOM(M004) Discrete Output 14 Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-55332.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connector J240 and J250 in the right AIMS cabinet (SSM 31-41-08):

**J250-B (R-AIMS)**

**J240-B (R-AIMS)**

pin E3 . . . . . pin E3

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (e) If you did not find a problem with the wiring, then continue.
  - 1) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (3) Do this check of the wiring:

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- (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Do a wiring check between these pins of the IOM connectors J240 in the right AIMS cabinet and J250 in the right AIMS cabinet (SSM 31-41-03) (SSM 31-41-08):

| <b>J250-B (R-AIMS)</b> | <b>J240-B (L-AIMS)</b> |
|------------------------|------------------------|
| pin E3 . . . . .       | pin E3                 |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (d) If you did not find a problem with the wiring, then continue.
    - 1) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Do this check of the wiring:
- (a) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of the IOM connectors J250 in the left and right AIMS cabinet (SSM 31-41-03) (SSM 31-41-08):

| <b>J250-B (R-AIMS)</b> | <b>J250-B (L-AIMS)</b> |
|------------------------|------------------------|
| pin E3 . . . . .       | pin E3                 |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (d) If you did not find a problem with the wiring, then continue.
    - 1) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Do this check of the wiring:
- (a) Remove the captain's master caution/warning switch, L31101.
  - (b) Do a wiring check between these pins of the IOM connector J250 in the right AIMS cabinet and connector DL31101 (WDM 22-31-31):

| <b>J250-B</b>    | <b>DL31101</b> |
|------------------|----------------|
| pin E3 . . . . . | pin 11         |
| pin E3 . . . . . | pin 12         |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.

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- 2) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the captain's master caution/warning switch, L31101.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 973. **Right AIMS IOM(M009) Discrete Output 08 Fault - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-59272.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do these checks of the wiring:
  - (a) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the left VHF communication transceiver. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - (c) Do a wiring check between these pins of the IOM module connector J420 in the right AIMS cabinet and connector DM23103AB (WDM 23-27-23):

| <b>J420-B</b>    | <b>DM23103AB</b> |
|------------------|------------------|
| pin D2 . . . . . | pin A2           |
| pin D2 . . . . . | pin B14          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the left VHF communication transceiver. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 974. Left AIMS IOM(M009) Discrete Output 11 Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-59311.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do these checks of the wiring:
  - (a) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the left VHF communication transceiver. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - (c) Do a wiring check between these pins of the IOM connector J420 in the left AIMS cabinet and connector DM23103AB (WDM 23-27-23):

#### **J420-B**

pin E1 .....  
pin E1 .....

#### **DM23103AB**

pin A2  
pin B14

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the left VHF communication transceiver. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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**976. Right AIMS IOM(M004) Discrete Output 16 Fault - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-55352.

**B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the IOM(M004) in the right AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**977. Left AIMS IOM(M003) Module Internal Output Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-52551, 31-52561, 31-52571.

**B. Fault Isolation Procedure**

- (1) Replace the IOM(M003) in the left AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (2) Do this test on the MAT: 31 AIMS - Left AIMS, Operational Test, IOM(M003) in Left AIMS ARINC 429 Relays.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**978. Right AIMS IOM(M003) Module Internal Output Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-52552, 31-52562, 31-52572.

**B. Fault Isolation Procedure**

- (1) Replace the IOM(M003) in the right AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (2) Do this test on the MAT: 31 AIMS - Right AIMS, Operational Test, IOM(M003) in Right AIMS ARINC 429 Relays.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 979. Left AIMS IOM(M004) Module Internal Output Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-54551, 31-54561, 31-54571, 31-54581.

#### B. Fault Isolation Procedure

- (1) Replace the IOM(M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (2) Do this test on the MAT: 31 AIMS - Left AIMS, Operational Test, IOM(M004) in Left AIMS ARINC 429 Relays.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 980. Right AIMS IOM(M004) Module Internal Output Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-54552, 31-54562, 31-54572, 31-54582.

#### B. Fault Isolation Procedure

- (1) Replace the IOM(M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (2) Do this test on the MAT: 31 AIMS - Right AIMS, Operational Test, IOM(M004) in Right AIMS ARINC 429 Relays.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 981. Left AIMS IOM(M008) Module Internal Output Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-56551, 31-56561, 31-56571.

#### B. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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## 31-41 TASKS 978-981

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**FAULT ISOLATION MANUAL**

- (2) Do this test on the MAT: 31 AIMS - Left AIMS, Operational Test, IOM(M008) in Left AIMS ARINC 429 Relays.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**982. Right AIMS IOM(M008) Module Internal Output Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-56552, 31-56562, 31-56572.

**B. Fault Isolation Procedure**

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (2) Do this test on the MAT: 31 AIMS - Right AIMS, Operational Test, IOM(M008) in Right AIMS ARINC 429 Relays.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**983. Left AIMS IOM(M009) Module Internal Output Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-58551, 31-58561, 31-58571.

**B. Fault Isolation Procedure**

- (1) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (2) Do this test on the MAT: 31 AIMS - Left AIMS, Operational Test, IOM(M009) in Left AIMS ARINC 429 Relays.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**984. Right AIMS IOM(M009) Module Internal Output Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-58552, 31-58562, 31-58572.

**B. Fault Isolation Procedure**

- (1) Replace the IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (2) Do this test on the MAT: 31 AIMS - Right AIMS, Operational Test, IOM(M009) in Right AIMS ARINC 429 Relays.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 985. MMR-L to Left AIMS Time Mark #1 Input Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50119.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the left multi-mode receiver (MMR), M34410.

These are the tasks:

Receiver for ILS - Removal, AMM TASK 34-31-01-000-801,

Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left GPS antenna.

These are the tasks:

GPS Antenna Removal, AMM TASK 34-58-02-000-801,

GPS Antenna Installation, AMM TASK 34-58-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring:
  - (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Remove the left MMR, M34410. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - (d) Do a wiring check between these pins of IOM connector J410 and connector DM34410AB (WDM 34-58-11) (SSM 31-41-04):

| J410-B           | DM34410AB |
|------------------|-----------|
| pin E8 . . . . . | pin A2    |
| pin E9 . . . . . | pin B2    |

- (e) Do a wiring check between these pins of IOM connector J420 and connector DM34410AB (WDM 34-58-11) (SSM 31-41-04):

| J420-B           | DM34410AB |
|------------------|-----------|
| pin E8 . . . . . | pin A2    |
| pin E9 . . . . . | pin B2    |

- (f) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) Re-install the left MMR, M34410. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - 5) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

### 986. MMR-L to Right AIMS Time Mark #2 Input Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-50120.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

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Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the left multi-mode receiver (MMR), M34410.

These are the tasks:

Receiver for ILS - Removal, AMM TASK 34-31-01-000-801,  
Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left GPS antenna.

These are the tasks:

GPS Antenna Removal, AMM TASK 34-58-02-000-801,  
GPS Antenna Installation, AMM TASK 34-58-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring:

- (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Remove the left MMR, M34410. To remove it, do this task: Receiver for ILS - Removal,  
AMM TASK 34-31-01-000-801.
- (d) Do a wiring check between these pins of IOM connector J410 and connector  
DM34410AB (WDM 34-58-11) (SSM 31-41-07):

| <b>J410-B</b> |       | <b>DM34410AB</b> |
|---------------|-------|------------------|
| pin E8        | ..... | pin G2           |
| pin E9        | ..... | pin H2           |

- (e) Do a wiring check between these pins of IOM connector J420 and connector  
DM34410AB (WDM 34-58-11) (SSM 31-41-07):

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### J420-B

pin E8 ..... pin G2  
pin E9 ..... pin H2

### DM34410AB

- (f) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) Re-install the left MMR, M34410. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - 5) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

### 987. MMR-R to Left AIMS Time Mark #1 Input Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50129.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (3) Replace the right multi-mode receiver (MMR), M34510.

These are the tasks:

Receiver for ILS - Removal, AMM TASK 34-31-01-000-801,

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Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left GPS antenna.

These are the tasks:

GPS Antenna Removal, AMM TASK 34-58-02-000-801,

GPS Antenna Installation, AMM TASK 34-58-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring:
- (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Remove the right MMR, M34510. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - (d) Do a wiring check between these pins of IOM connector J240 and connector DM34510AB (WDM 34-58-21) (SSM 31-41-04):

### J240-B

|        |       |        |
|--------|-------|--------|
| pin E8 | ..... | pin A2 |
| pin E9 | ..... | pin B2 |

### DM34510AB

- (e) Do a wiring check between these pins of IOM connector J250 and connector DM34510AB (WDM 34-58-21) (SSM 31-41-04):

### J250-B

|        |       |        |
|--------|-------|--------|
| pin E8 | ..... | pin A2 |
| pin E9 | ..... | pin B2 |

### DM34510AB

- (f) Do a wiring check between these pins of connector DM34421 and connector DM34510AA (WDM 34-58-21).

### DM34421

|        |       |        |
|--------|-------|--------|
| pin A1 | ..... | pin 2  |
| pin C1 | ..... | pin C2 |

### DM34510AA

- (g) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) Re-install the right MMR, M34510. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.

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- 5) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

### 988. MMR-R to Right AIMS Time Mark #2 Input Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50130.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the right multi-mode receiver (MMR), M34510.

These are the tasks:

Receiver for ILS - Removal, AMM TASK 34-31-01-000-801,

Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left GPS antenna.

These are the tasks:

GPS Antenna Removal, AMM TASK 34-58-02-000-801,

GPS Antenna Installation, AMM TASK 34-58-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (5) Do this check of the wiring:
- (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Remove the right MMR, M34510. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - (d) Do a wiring check between these pins of IOM connector J240 and connector DM34205A (WDM 34-58-21) (SSM 31-41-07):

**J240-B**

pin E8 ..... pin G2  
pin E9 ..... pin H2

**DM34510AB**

- (e) Do a wiring check between these pins of IOM connector J250 and connector DM34510AB (WDM 34-58-21) (SSM 31-41-07):

**J250-B**

pin E8 ..... pin G2  
pin E9 ..... pin H2

**DM34510AB**

- (f) Do a wiring check between these pins of connector DM34421 and connector DM34510AA (WDM 34-58-21).

**DM34421**

pin A1 ..... pin 2  
pin C1 ..... pin C2

**DM34510AA**

- (g) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) Re-install the right MMR, M34510. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - 5) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

### 989. Right AIMS IOM(M003) to Flt Ctrl 629 Bus-R Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-52110.

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### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the Right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31209, in the P212 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the IOM(M003) to the Flt Ctrl 629 Bus-R.

- (a) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM(M003) to the coupler:
  - (a) Remove the IOM(M003) from the right AIMS cabinet, M31201. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31209 from the coupler, B31209.
  - (c) Do a wiring check between these pins of connector J240 at the right AIMS cabinet, M31201, in the E2-1 shelf and connector DB31209 at the P212 panel (WDM 31-41-26) (SSM 31-41-02):

| J240-A       | DB31209 |
|--------------|---------|
| pin G3 ..... | pin 5   |
| pin G4 ..... | pin 4   |
| pin G1 ..... | pin 2   |
| pin G2 ..... | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
    - 2) Re-connect connector DB31209.
    - 3) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- 4) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

### 990. Left AIMS IOM(M008) to Flt Ctrl 629 Bus-L Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-56103.

#### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31108, in the P112 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the IOM(M008) to the Flt Ctrl 629 Bus-L.

- (a) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM(M008) to the coupler:
  - (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31108 from the coupler, B31108.
  - (c) Do a wiring check between these pins of connector J410 at the left AIMS cabinet, M31101, in the E3-1 shelf and connector DB31108 at the P112 panel (WDM 31-41-25) (SSM 31-41-02):

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| J410-A       | DB31108 |
|--------------|---------|
| pin G3 ..... | pin 5   |
| pin G4 ..... | pin 4   |
| pin G1 ..... | pin 2   |
| pin G2 ..... | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
  - 2) Re-connect connector DB31108.
  - 3) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the maintenance message does not show on the ground test display, you corrected the fault.

### — END OF TASK —

#### 991. Left AIMS IOM(M008) to intercabinet Bus (4) Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-56113.

##### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (b) If the maintenance message does not show on the ground test display, then you corrected the fault.
- (2) Replace the IOM(M003) in the right AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (b) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from IOM(M003) to IOM(M008):

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- (a) Remove the IOM(M003) from the right AIMS cabinet and the IOM(M008) from the left AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Do a wiring check between these pins of IOM(M003) connector J240-A in the right AIMS cabinet and IOM(M008) connector J410-A in the left AIMS cabinet (SSM 31-41-27)(WDM 31-41-27):

| J240-A (R-AIMS) | J410-A (L-AIMS) |
|-----------------|-----------------|
| pin G6          | pin G9          |
| pin G7          | pin G10         |
| pin G9          | pin G6          |
| pin G10         | pin G7          |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) in the right AIMS cabinet and the IOM(M008) in the left AIMS cabinet. To install them, do this step: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

### 992. Left AIMS IOM(M009) Module has a Discrete/Analog input or output Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-58601, 31-59401.

#### B. Description

The Left AIMS IOM (M003) input/output problems can be caused by a faulty IOM or a faulty EOQ sensor.

#### C. Possible Causes

- (1) IOM (M009), M31101M009
- (2) Engine Oil Quantity sensor/transmitter, M79001

#### D. Circuit Breakers

- (1) These are the primary circuit breakers related to the fault:

#### Overhead Circuit Breaker Panel, P11

| Row | Col | Number | Name     |
|-----|-----|--------|----------|
| B   | 12  | C31609 | AIMS L-1 |
| B   | 13  | C31611 | AIMS L-2 |
| B   | 14  | C31617 | AIMS L-3 |
| B   | 15  | C31619 | AIMS L-4 |
| F   | 12  | C31610 | AIMS R-1 |
| F   | 13  | C31612 | AIMS R-2 |
| F   | 14  | C31618 | AIMS R-3 |
| F   | 15  | C31620 | AIMS R-4 |

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### Standby Power Management Panel, P310

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| J          | 6          | C31651        | AIMS L      |
| J          | 7          | C31650        | AIMS R      |

#### E. Related Data

- (1) WDM 79-31-11
- (2) SSM 31-41-05
- (3) SSM 31-41-07

#### F. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do the ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
  - (a) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### G. Fault Isolation Procedure

- (1) Replace the IOM(M009), M31101M009, in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801

  - (a) Do the Repair Confirmation at the end of this task.
- (2) Do these steps to do an AIMS Cabinet Reset test for the AIMS cabinet:
  - (a) Use the MAT or PMAT to do the left AIMS Cabinet Reset Test. (Airplane Information Management System (AIMS) - Operational Test, AMM TASK 31-41-00-710-801)
  - (b) Check the existing fault in the Left AIMS. If there is no fault. Check the existing fault in the Right AIMS. If maintenance messages toggled, then the fault is in the Oil quantity sensor.
    - 1) Proceed to the next step to replace the oil quantity sensor.
- (3) Replace the Left oil quantity transmitter, M79001 (AMM PAGEBLOCK 79-31-01/401).
  - (a) Do the Repair Confirmation at the end of this task.
- (4) Replace the Right oil quantity transmitter, M79001 (AMM PAGEBLOCK 79-31-01/401).
  - (a) Do the Repair Confirmation at the end of this task.

#### H. Repair Confirmation

- (1) Do the ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message, then you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue the Fault Isolation Procedure at the subsequent step.

————— END OF TASK —————

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### 993. Right AIMS IOM(M009) Module has a Discrete/Analog input or output Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-58602, 31-59402.

#### B. Description

The Right AIMS IOM (M009) input/output problems can be caused by a faulty IOM or a faulty EOQ sensor.

#### C. Possible Causes

- (1) IOM (M009), M31201M009  
(2) Engine Oil Quantity sensor/transmitter, M79001

#### D. Circuit Breakers

- (1) These are the primary circuit breakers related to the fault:

##### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

##### Standby Power Management Panel, P310

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| J          | 6          | C31651        | AIMS L      |
| J          | 7          | C31650        | AIMS R      |

#### E. Related Data

- (1) WDM 79-31-11  
(2) SSM 31-41-05  
(3) SSM 31-41-07

#### F. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do the ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
- (a) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### G. Fault Isolation Procedure

- (1) Replace the IOM(M009), M31201M009, in the Right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801

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- (a) Do the Repair Confirmation at the end of this task.
- (2) Do these steps to do an AIMS Cabinet Reset test for the AIMS cabinet:
  - (a) Use the MAT or PMAT to do the right AIMS Cabinet Reset Test. (Airplane Information Management System (AIMS) - Operational Test, AMM TASK 31-41-00-710-801)
  - (b) Check the existing fault in the Right AIMS. If there is no fault. Check the existing fault in the Left AIMS. If maintenance messages toggled, then the fault is in the Oil quantity sensor.
    - 1) Proceed to the next step to replace the oil quantity sensor.
- (3) Replace the Right oil quantity transmitter, M79001 (AMM PAGEBLOCK 79-31-01/401).
  - (a) Do the Repair Confirmation at the end of this task.
- (4) Replace the Left oil quantity transmitter, M79001 (AMM PAGEBLOCK 79-31-01/401).
  - (a) Do the Repair Confirmation at the end of this task.

### H. Repair Confirmation

- (1) Do the ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message, then you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue the Fault Isolation Procedure at the subsequent step.

————— **END OF TASK** —————

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**801. AIMS No Input from any LRU on Flight Controls ARINC 629 Bus (left) - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69101, 31-69102.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) In the list below, find the Coupler, AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT MESSAGE | ARINC 629 SYSTEM(L) COUPLER | AIMS MODULE        | ARINC 629 (R)CPLER CONNECTOR | AIMS CONNECTOR |
|---------------|-----------------------------|--------------------|------------------------------|----------------|
| 31-69101      | B31107                      | IOM(M009) (AIMS-L) | DB31107                      | J420-B         |
|               |                             |                    | pin 5                        | pin G3         |
|               |                             |                    | pin 4                        | pin G4         |
|               | B31108                      | IOM(M008) (AIMS-L) | DB31108                      | J410-B         |
|               |                             |                    | pin 5                        | pin G3         |
|               |                             |                    | pin 4                        | pin G4         |
| 31-69102      | B31111                      | IOM(M009) (AIMS-R) | DB31111                      | J420-A         |
|               |                             |                    | pin 5                        | pin G3         |
|               |                             |                    | pin 4                        | pin G4         |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable ARINC 629 coupler.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 31-41-25) (WDM 31-41-26):
  - (a) Remove the applicable ARINC 629 coupler. To remove it, do this task: ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801.
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between the specified pins of the applicable ARINC 629 coupler connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the applicable ARINC 629 coupler. To install it, do this task: ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
  - (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 802. AIMS No Input from Autopilot Flight Director Computer (Left) on Flight Controls ARINC 629 Bus (left) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69103, 31-69104.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULES          | SOURCE LRUS      | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|------------------|----------------|----------------|--------------------|
| 31-69103      | IOM(M008)<br>(AIMS-L) | AFDC-L<br>M22101 | LEFT           | B31107<br>P112 | B22101<br>P112     |
|               | IOM(M009)<br>(AIMS-L) |                  |                | B31108<br>P112 |                    |
| 31-69104      | IOM(M009)<br>(AIMS-R) | AFDC-L<br>M22101 | LEFT           | B31111<br>P112 | B22101<br>P112     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.

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- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
  - (a) Autopilot Flight Director Computer (Left), M22101.  
These are the tasks:  
Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,  
Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 803. AIMS No Input from Power Supply Assembly (left) on Flight Controls ARINC 629 Bus (left) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69105, 31-69106.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULES          | SOURCE LRUS     | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|-----------------|----------------|----------------|--------------------|
| 31-69105      | IOM(M008)<br>(AIMS-L) | PSA-L<br>M24101 | LEFT           | B31107<br>P112 | B24101<br>P112     |
|               | IOM(M009)<br>(AIMS-L) |                 |                | B31108<br>P112 |                    |
| 31-69106      | IOM(M009)<br>(AIMS-R) | PSA-L<br>M24101 | LEFT           | B31111<br>P112 | B24101<br>P112     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
  - (a) Power Supply Assembly (left), M24101.

These are the tasks:

Power Supply Assembly Removal, AMM TASK 24-35-01-000-801,  
Power Supply Assembly Installation, AMM TASK 24-35-01-400-801.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 804. AIMS No Input from Primary Flight Computer (left) on Flight Controls ARINC 629 Bus (left) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69107, 31-69108.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULES | SOURCE LRUS | SYSTEM 629 BUS | AIMS COUPLER | SOURCE LRU COUPLER |
|---------------|--------------|-------------|----------------|--------------|--------------------|
| 31-69107      | IOM(M008)    | PFC-L       | LEFT           | B31107       | B27011             |
|               | (AIMS-L)     | M27106      |                | P112         | P112               |
|               | IOM(M009)    |             |                | B31108       | B27021             |
|               | (AIMS-L)     |             |                | P112         | P112               |
|               |              |             |                |              | B27031             |
|               |              |             |                |              | P112               |
| 31-69108      | IOM(M009)    | PFC-L       | LEFT           | B31111       | B27011             |
|               | (AIMS-R)     | M27106      |                | P112         | P112               |
|               |              |             |                |              | B27021             |
|               |              |             |                |              | P112               |
|               |              |             |                |              | B27031             |
|               |              |             |                |              | P112               |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (4) Replace the source LRU.

- (a) Primary Flight Computer (left), M27106.

These are the tasks:

Primary Flight Computer (PFC) Removal, AMM TASK 27-02-01-000-801,

Primary Flight Computer (PFC) Installation, AMM TASK 27-02-01-400-802.

- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.

- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### **805. AIMS No Input from Actuator Control Electronics (left) on Flight Controls ARINC 629 Bus (left) - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69113, 31-69114, 31-69115, 31-69116.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULES          | SOURCE LRUS      | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|------------------|----------------|----------------|--------------------|
| 31-69113      | IOM(M008)<br>(AIMS-L) | ACE-L1<br>M27121 | LEFT           | B31107<br>P112 | B27111<br>P112     |
|               | IOM(M009)<br>(AIMS-L) |                  |                | B31108<br>P112 |                    |
| 31-69114      | IOM(M009)<br>(AIMS-R) | ACE-L1<br>M27121 | LEFT           | B31111<br>P112 | B27111<br>P112     |
|               |                       |                  |                |                |                    |
| 31-69115      | IOM(M008)<br>(AIMS-L) | ACE-L2<br>M27122 | LEFT           | B31107<br>P112 | B27121<br>P112     |
|               | IOM(M009)<br>(AIMS-L) |                  |                | B31108<br>P112 |                    |
| 31-69116      | IOM(M009)<br>(AIMS-R) | ACE-L2<br>M27122 | LEFT           | B31111<br>P112 | B27121<br>P112     |
|               |                       |                  |                |                |                    |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Actuator Control Electronics (left 1), M27121 or Actuator Control Electronics (left 2), M27122.
- These are the tasks:
- Actuator Control Electronics (ACE) Removal, AMM TASK 27-02-02-000-801,  
Actuator Control Electronics (ACE) Installation, AMM TASK 27-02-02-400-803.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### 806. AIMS No Input from Air Data Inertial Reference Unit on Flight Controls ARINC 629 Bus (left) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69117, 31-69118.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULES          | SOURCE LRUS     | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|-----------------|----------------|----------------|--------------------|
| 31-69117      | IOM(M008)<br>(AIMS-L) | ADIRU<br>M34001 | LEFT           | B31107<br>P112 | B34105<br>P112     |
|               | IOM(M009)<br>(AIMS-L) |                 |                | B31108<br>P112 | B34106<br>P112     |
| 31-69118      | IOM(M009)<br>(AIMS-R) | ADIRU<br>M34001 | LEFT           | B31111<br>P112 | B34105<br>P112     |
|               |                       |                 |                |                | B34106<br>P112     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

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Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Air Data Inertial Reference Unit, M34001.  
These are the tasks:  
Air Data Inertial Reference Unit - Removal, AMM TASK 34-21-01-000-801,  
Air Data Inertial Reference Unit - Installation, AMM TASK 34-21-01-400-801.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 807. AIMS No Input from Air Data Module (Left Pitot) on Flight Controls ARINC 629 Bus (left) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69123, 31-69124.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULES          | SOURCE LRUS      | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|------------------|----------------|----------------|--------------------|
| 31-69123      | IOM(M008)<br>(AIMS-L) | ADM-LP<br>M34102 | LEFT           | B31107<br>P112 | B3410<br>P112      |
|               | IOM(M009)<br>(AIMS-L) |                  |                | B31108<br>P112 |                    |
| 31-69124      | IOM(M009)<br>(AIMS-R) | ADM-LP<br>M34102 | LEFT           | B31111<br>P112 | B3410<br>P112      |
|               |                       |                  |                |                |                    |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Air Data Module (Left Pitot), M34102.
- These are the tasks:
- Pitot Air Data Module Removal, AMM TASK 34-21-03-000-801,  
Pitot Air Data Module Installation, AMM TASK 34-21-03-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.
- These are the tasks:

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ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 808. **AIMS No Input from Air Data Module (Left Static) on Flight Controls ARINC 629 Bus (left) - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69125, 31-69126.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULES | SOURCE LRUS | SYSTEM 629 BUS | AIMS COUPLER | SOURCE LRU COUPLER |
|---------------|--------------|-------------|----------------|--------------|--------------------|
| 31-69125      | IOM(M008)    | ADM-LS      | LEFT           | B31107       | B3410              |
|               | (AIMS-L)     | M34101      |                | P112         | P112               |
|               | IOM(M009)    |             |                | B31108       |                    |
|               | (AIMS-L)     |             |                | P112         |                    |
| 31-69126      | IOM(M009)    | ADM-LS      | LEFT           | B31111       | B3410              |
|               | (AIMS-R)     | M34101      |                | P112         | P112               |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Air Data Module (Left Static), M34101.

These are the tasks:

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Static Air Data Module Removal, AMM TASK 34-21-03-000-802,

Static Air Data Module Installation, AMM TASK 34-21-03-400-802.

- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 809. AIMS No Input from any LRU on Flight Controls ARINC 629 Bus (center) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69201, 31-69202.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) In the list below, find the Coupler, AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT MESSAGE | ARINC 629 SYSTEM(C) COUPLER | AIMS MODULE           | ARINC 629 (R)CPLER CONNECTOR | AIMS CONNECTOR |
|---------------|-----------------------------|-----------------------|------------------------------|----------------|
| 31-69201      | B31309                      | IOM(M003)<br>(AIMS-L) | DB31309                      | J240-A         |
|               |                             |                       | pin 5                        | pin G3         |
|               |                             |                       | pin 4                        | pin G4         |
| 31-69202      | B31310                      | IOM(M008)<br>(AIMS-R) | DB31310                      | J410-A         |
|               |                             |                       | pin 5                        | pin G3         |
|               |                             |                       | pin 4                        | pin G4         |

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- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable ARINC 629 coupler.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 31-41-25) (WDM 31-41-26):
  - (a) Remove the applicable ARINC 629 coupler. To remove it, do this task: ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801.
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between the specified pins of the applicable ARINC 629 coupler connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
    - 3) Re-install the applicable ARINC 629 coupler. To install it, do this task: ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801
  - (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 810. AIMS No Input from Autopilot Flight Director Computer (Center) on Flight Controls ARINC 629 Bus (center) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69203, 31-69204.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULES          | SOURCE LRUS      | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|------------------|----------------|----------------|--------------------|
| 31-69203      | IOM(M003)<br>(AIMS-L) | AFDC-C<br>M22301 | CENTER         | B31309<br>P212 | B22303<br>P312     |
| 31-69204      | IOM(M008)<br>(AIMS-R) | AFDC-C<br>M22301 | CENTER         | B31310<br>P212 | B22303<br>P312     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
  - (a) Autopilot Flight Director Computer (Center), M22301.

These are the tasks:

Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,  
Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 811. **AIMS No Input from Power Supply Assembly (center) on Flight Controls ARINC 629 Bus (center) - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69205, 31-69206.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULES | SOURCE LRUS | SYSTEM 629 BUS | AIMS COUPLER | SOURCE LRU COUPLER |
|---------------|--------------|-------------|----------------|--------------|--------------------|
| 31-69205      | IOM(M003)    | PSA-C       | CENTER         | B31309       | B24301             |
|               | (AIMS-L)     | M24301      |                | P212         | P312               |
| 31-69206      | IOM(M008)    | PSA-C       | CENTER         | B31310       | B24301             |
|               | (AIMS-R)     | M24301      |                | P212         | P312               |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
  - (a) Power Supply Assembly (center), M24301.

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These are the tasks:

Power Supply Assembly Removal, AMM TASK 24-35-01-000-801,  
Power Supply Assembly Installation, AMM TASK 24-35-01-400-801.

- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 812. AIMS No Input from Primary Flight Computer (Center) on Flight Controls ARINC 629 Bus (Center) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69209, 31-69210.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULES          | SOURCE LRUS     | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|-----------------|----------------|----------------|--------------------|
| 31-69209      | IOM(M003)<br>(AIMS-L) | PFC-C<br>M27306 | CENTER         | B31309<br>P212 | B27073<br>P312     |
|               |                       |                 |                |                | B27083<br>P312     |
|               |                       |                 |                |                | B27093<br>P312     |

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| MAINT MESSAGE | AIMS MODULES          | SOURCE LRUS     | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|-----------------|----------------|----------------|--------------------|
| 31-69210      | IOM(M008)<br>(AIMS-R) | PFC-C<br>M27306 | CENTER         | B31310<br>P212 | B27073<br>P312     |
|               |                       |                 |                |                | B27083<br>P312     |
|               |                       |                 |                |                | B27093<br>P312     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Primary Flight Computer (Right), M27306.
- These are the tasks:
- Primary Flight Computer (PFC) Removal, AMM TASK 27-02-01-000-801,  
Primary Flight Computer (PFC) Installation, AMM TASK 27-02-01-400-802.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 813. AIMS No Input from Actuator Control Electronics (center) on Flight Controls ARINC 629 Bus (center) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69213, 31-69214.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULES          | SOURCE LRUS     | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|-----------------|----------------|----------------|--------------------|
| 31-69213      | IOM(M003)<br>(AIMS-L) | ACE-C<br>M27321 | CENTER         | B31309<br>P312 | B27143<br>P312     |
| 31-69214      | IOM(M008)<br>(AIMS-R) | ACE-C<br>M27321 | CENTER         | B31310<br>P312 | B27143<br>P312     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Actuator Control Electronics (center), M27321.
- These are the tasks:
- Actuator Control Electronics (ACE) Removal, AMM TASK 27-02-02-000-801,  
Actuator Control Electronics (ACE) Installation, AMM TASK 27-02-02-400-803.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### 814. AIMS No Input from Secondary Attitude Air Data Reference Unit on Flight Controls ARINC 629 Bus (center) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69219, 31-69220.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULES | SOURCE LRUS | SYSTEM 629 BUS | AIMS COUPLER | SOURCE LRU COUPLER |
|---------------|--------------|-------------|----------------|--------------|--------------------|
| 31-69219      | IOM(M003)    | SAARU       | CENTER         | B31309       | B34303             |
|               | (AIMS-L)     | M34002      |                | P312         | P312               |
| 31-69220      | IOM(M008)    | SAARU       | CENTER         | B31310       | B34303             |
|               | (AIMS-R)     | M34002      |                | P312         | P312               |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

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Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Secondary Attitude Air Data Reference Unit, M34002.  
These are the tasks:  
Secondary Attitude Air Data Reference Unit Removal, AMM TASK 34-21-02-000-801,  
Secondary Attitude Air Data Reference Unit Installation, AMM TASK 34-21-02-400-801.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### **815. AIMS No Input from Air Data Module (Center Pitot) on Flight Controls ARINC 629 Bus (center) - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69223, 31-69224.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULES          | SOURCE LRUS      | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|------------------|----------------|----------------|--------------------|
| 31-69223      | IOM(M003)<br>(AIMS-L) | ADM-CP<br>M34302 | CENTER         | B31309<br>P312 | B3430<br>P312      |
| 31-69224      | IOM(M008)<br>(AIMS-R) | ADM-CS<br>M34302 | CENTER         | B31310<br>P312 | B3430<br>P312      |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Air Data Module (Center Pitot), M34302.
- These are the tasks:
- Pitot Air Data Module Removal, AMM TASK 34-21-03-000-801,  
Pitot Air Data Module Installation, AMM TASK 34-21-03-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

**816. AIMS No Input from Air Data Module (Center Static) on Flight Controls ARINC 629 Bus (center) - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69225, 31-69226.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULES          | SOURCE LRUS      | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|------------------|----------------|----------------|--------------------|
| 31-69225      | IOM(M003)<br>(AIMS-L) | ADM-CS<br>M34301 | CENTER         | B31309<br>P312 | B3430<br>P312      |
| 31-69226      | IOM(M008)<br>(AIMS-R) | ADM-CS<br>M34301 | CENTER         | B31310<br>P312 | B3430<br>P312      |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Air Data Module (Center Static), M34301.
- These are the tasks:
- Static Air Data Module Removal, AMM TASK 34-21-03-000-802,  
Static Air Data Module Installation, AMM TASK 34-21-03-400-802.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 817. AIMS No Input from any LRU on Flight Controls ARINC 629 Bus (right) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69301, 31-69302.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) In the list below, find the Coupler, AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT MESSAGE | ARINC 629 SYSTEM(C1) COUPLER | AIMS MODULE        | ARINC 629 (R)CPLER CONNECTOR | AIMS CONNECTOR |
|---------------|------------------------------|--------------------|------------------------------|----------------|
| 31-69301      | B31206                       | IOM(M004) (AIMS-L) | DB31206                      | P4-B           |
|               |                              |                    | pin 5                        | pin A5         |
|               |                              |                    | pin 4                        | pin A6         |
| 31-69302      | B31208                       | IOM(M004) (AIMS-R) | DB31208                      | P4-B           |
|               |                              |                    | pin 5                        | pin A5         |
|               |                              |                    | pin 4                        | pin A6         |
|               | B31209                       | IOM(M003) (AIMS-R) | DB31209                      | P3-B           |
|               |                              |                    | pin 5                        | pin A11        |
|               |                              |                    | pin 4                        | pin A12        |

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- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable ARINC 629 coupler.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 31-41-25) (WDM 31-41-26):
  - (a) Remove the applicable ARINC 629 coupler. To remove it, do this task: ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801.
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between the specified pins of the applicable ARINC 629 coupler connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
    - 3) Re-install the applicable ARINC 629 coupler. To install it, do this task: ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801
  - (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 818. AIMS No Input from Autopilot Flight Director Computer (Right) on Flight Controls ARINC 629 Bus (right) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69303, 31-69304.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULES          | SOURCE LRUS      | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|------------------|----------------|----------------|--------------------|
| 31-69303      | IOM(M004)<br>(AIMS-L) | AFDC-R<br>M22201 | RIGHT          | B31206<br>P212 | B22202<br>P212     |
| 31-69304      | IOM(M004)<br>(AIMS-R) | AFDC-R<br>M22201 | RIGHT          | B31208<br>P212 | B22202<br>P212     |
|               | IOM(M003)<br>(AIMS-R) |                  |                | B31209<br>P212 |                    |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
  - (a) Autopilot Flight Director Computer (Right), M22201.

These are the tasks:

Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,  
Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 819. AIMS No Input from Power Supply Assembly (right) on Flight Controls ARINC 629 Bus (right) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69305, 31-69306.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT<br>MESSAGE | AIMS<br>MODULES | SOURCE<br>LRUS | SYSTEM<br>629 BUS | AIMS<br>COUPLER | SOURCE<br>LRUCOUPLER |
|------------------|-----------------|----------------|-------------------|-----------------|----------------------|
| 31-69305         | IOM(M004)       | PSA-R          | RIGHT             | B31206          | B24201               |
|                  | (AIMS-L)        | M24201         |                   | P212            | P212                 |
| 31-69306         | IOM(M004)       | PSA-R          | RIGHT             | B31208          | B24201               |
|                  | (AIMS-R)        | M24201         |                   | P212            | P212                 |
|                  | IOM(M003)       |                |                   | B31209          |                      |
|                  | (AIMS-R)        |                |                   | P212            |                      |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
  - (a) Power Supply Assembly (right), M24201.  
These are the tasks:  
Power Supply Assembly Removal, AMM TASK 24-35-01-000-801,  
Power Supply Assembly Installation, AMM TASK 24-35-01-400-801.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### **820. AIMS No Input from Primary Flight Computer (right) on Flight Controls ARINC 629 Bus (right) - Fault Isolation**

##### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69311, 31-69312.

##### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULES          | SOURCE LRUS     | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|-----------------|----------------|----------------|--------------------|
| 31-69311      | IOM(M004)<br>(AIMS-L) | PFC-R<br>M27206 | RIGHT          | B31206<br>P212 | B27042<br>P212     |
|               |                       |                 |                |                | B27052<br>P212     |
|               |                       |                 |                |                | B27062<br>P212     |
| 31-69312      | IOM(M004)<br>(AIMS-R) | PFC-R<br>M27206 | RIGHT          | B31208<br>P212 | B27042<br>P212     |
|               |                       |                 |                |                | B27052<br>P212     |
|               | IOM(M003)<br>(AIMS-R) |                 |                | B31209<br>P212 | B27062<br>P212     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Primary Flight Computer (right), M27206.
- These are the tasks:
- Primary Flight Computer (PFC) Removal, AMM TASK 27-02-01-000-801,  
Primary Flight Computer (PFC) Installation, AMM TASK 27-02-01-400-802.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 821. AIMS No Input from Actuator Control Electronics (right) on Flight Controls ARINC 629 Bus (right) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69313, 31-69314.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULES          | SOURCE LRUS     | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|-----------------|----------------|----------------|--------------------|
| 31-69313      | IOM(M004)<br>(AIMS-L) | ACE-R<br>M27221 | RIGHT          | B31206<br>P212 | B27132<br>P212     |
| 31-69314      | IOM(M004)<br>(AIMS-R) | ACE-R<br>M27221 | RIGHT          | B31208<br>P212 | B27132<br>P212     |
|               | IOM(M003)<br>(AIMS-R) |                 |                | B31209<br>P212 |                    |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
  - (a) Actuator Control Electronics (right), M27221.

These are the tasks:  
Actuator Control Electronics (ACE) Removal, AMM TASK 27-02-02-000-801,  
Actuator Control Electronics (ACE) Installation, AMM TASK 27-02-02-400-803.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### **822. AIMS No Input from Air Data Inertial Reference Unit on Flight Controls ARINC 629 Bus (right) - Fault Isolation**

##### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69317, 31-69318.

##### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMSMODULES           | SOURCE LRUS     | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|-----------------|----------------|----------------|--------------------|
| 31-69317      | IOM(M004)<br>(AIMS-L) | ADIRU<br>M34001 | RIGHT          | B31206<br>P212 | B34205<br>P212     |
|               |                       |                 |                |                | B34206<br>P212     |
|               |                       |                 |                |                |                    |
| 31-69318      | IOM(M004)<br>(AIMS-R) | ADIRU<br>M34001 | RIGHT          | B31208<br>P212 | B34205<br>P212     |
|               |                       |                 |                |                |                    |
|               | IOM(M003)<br>(AIMS-R) |                 |                | B31209<br>P212 | B34206<br>P212     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Air Data Inertial Reference Unit, M34001.
- These are the tasks:
- Air Data Inertial Reference Unit - Removal, AMM TASK 34-21-01-000-801,  
Air Data Inertial Reference Unit - Installation, AMM TASK 34-21-01-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 823. AIMS No Input from Air Data Module (Right Pitot) on Flight Controls ARINC 629 Bus (right) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69323, 31-69324.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULES          | SOURCE LRUS      | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|------------------|----------------|----------------|--------------------|
| 31-69323      | IOM(M004)<br>(AIMS-L) | ADM-RP<br>M34202 | RIGHT          | B31206<br>P212 | B3420<br>P212      |
| 31-69324      | IOM(M004)<br>(AIMS-R) | ADM-RP<br>M34202 | RIGHT          | B31208<br>P212 | B3420<br>P212      |
|               | IOM(M003)<br>(AIMS-R) |                  |                | B31209<br>P212 |                    |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,
- Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.

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- (a) Air Data Module (Right Pitot), M34202.  
These are the tasks:  
Pitot Air Data Module Removal, AMM TASK 34-21-03-000-801,  
Pitot Air Data Module Installation, AMM TASK 34-21-03-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 824. AIMS No Input from Air Data Module (Right Static) on Flight Controls ARINC 629 Bus (right) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69325, 31-69326.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULES          | SOURCE LRUS      | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|------------------|----------------|----------------|--------------------|
| 31-69325      | IOM(M004)<br>(AIMS-L) | ADM-RS<br>M34201 | RIGHT          | B31206<br>P212 | B3420<br>P212      |
| 31-69326      | IOM(M004)<br>(AIMS-R) | ADM-RS<br>M34201 | RIGHT          | B31208<br>P212 | B3420<br>P212      |
|               | IOM(M003)<br>(AIMS-R) |                  |                | B31209<br>P212 |                    |

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- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
  - (a) Air Data Module (Right Static), M34201.

These are the tasks:

Static Air Data Module Removal, AMM TASK 34-21-03-000-802,  
Static Air Data Module Installation, AMM TASK 34-21-03-400-802.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 825. AIMS No Input from any LRU on System ARINC 629 Bus (left) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69401, 31-69402.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) In the list below, find the Coupler, AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT<br>MESSAGE | ARINC 629<br>SYSTEM(L)<br>COUPLER | AIMS<br>MODULE        | ARINC 629<br>(C2)CPLER<br>CONNECTOR | AIMS<br>CONNECTOR |
|------------------|-----------------------------------|-----------------------|-------------------------------------|-------------------|
| 31-69401         | B31112                            | IOM(M009)<br>(AIMS-L) | DB31112                             | P9-A              |
|                  |                                   |                       | pin 5                               | pin E5            |
|                  |                                   |                       | pin 4                               | pin E6            |
| 31-69402         | B31116                            | IOM(M009)<br>(AIMS-R) | DB31116                             | P9-A              |
|                  |                                   |                       | pin 5                               | pin E5            |
|                  |                                   |                       | pin 4                               | pin E6            |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable ARINC 629 coupler.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 31-41-25) (WDM 31-41-26):
  - (a) Remove the applicable ARINC 629 coupler. To remove it, do this task: ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801.

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- (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
- (c) Do a wiring check between the specified pins of the applicable ARINC 629 coupler connector and the applicable AIMS module connector.
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
  - 3) Re-install the applicable ARINC 629 coupler. To install it, do this task: ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801
- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 826. AIMS No Input from Cabin Temperature Controller on System ARINC 629 Bus (left) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69403, 31-69404, 31-69405, 31-69406.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU      | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|-----------------|----------------|----------------|--------------------|
| 31-69403      | IOM(M009)<br>(AIMS-L) | CTC-L<br>M21631 | LEFT           | B31112<br>P111 | B21631<br>P111     |
| 31-69404      | IOM(M009)<br>(AIMS-R) | CTC-L<br>M21631 | LEFT           | B31116<br>P111 | B21631<br>P111     |
| 31-69405      | IOM(M009)<br>(AIMS-L) | CTC-R<br>M21632 | LEFT           | B31112<br>P111 | B21633<br>P111     |
| 31-69406      | IOM(M009)<br>(AIMS-R) | CTC-R<br>M21632 | LEFT           | B31116<br>P111 | B21633<br>P111     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

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These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable source LRU.
  - (a) Cabin Temperature Controller (Left), M21631, or Cabin Temperature Controller (Right), M21632.

These are the tasks:

Cabin Temperature Controller (CTC) Removal, AMM TASK 21-61-01-000-801,  
Cabin Temperature Controller (CTC) Installation, AMM TASK 21-61-01-400-801.

- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the applicable source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### **827. AIMS No Input from Autopilot Flight Director Computer (Left) on System ARINC 629 Bus (left) - Fault Isolation**

##### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69407, 31-69408.

##### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU       | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRUCOUPLER |
|---------------|-----------------------|------------------|----------------|----------------|-------------------|
| 31-69407      | IOM(M009)<br>(AIMS-L) | AFDC-L<br>M22101 | LEFT           | B31112<br>P111 | B22104<br>P111    |
| 31-69408      | IOM(M009)<br>(AIMS-R) | AFDC-L<br>M22101 | LEFT           | B31116<br>P111 | B22104<br>P111    |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Autopilot Flight Director Computer (Left) M22101.
- These are the tasks:
- Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,  
Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 828. AIMS No Input from Overhead Panel Bus Controller (L) on System ARINC 629 Bus (left) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69409, 31-69410.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT<br>MESSAGE | AIMS<br>MODULE        | SOURCE LRU       | SYSTEM<br>629 BUS | AIMS<br>COUPLER | SOURCE LRU<br>COUPLER |
|------------------|-----------------------|------------------|-------------------|-----------------|-----------------------|
| 31-69409         | IOM(M009)<br>(AIMS-L) | OPBC-L<br>M23112 | LEFT              | B31112<br>P111  | B23126<br>P111        |
| 31-69410         | IOM(M009)<br>(AIMS-R) | OPBC-L<br>M23112 | LEFT              | B31116<br>P111  | B23126<br>P111        |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Overhead Panel Bus Controller (L), M23112.
- These are the tasks:
- Left Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-801,  
Left Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 829. AIMS No Input from Overhead Panel Bus Controller (R) on System ARINC 629 Bus (left) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69411, 31-69412.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE | SOURCE LRU | SYSTEM 629 BUS | AIMS COUPLER | SOURCE LRU COUPLER |
|---------------|-------------|------------|----------------|--------------|--------------------|
| 31-69411      | IOM(M009)   | OPBC-R     | LEFT           | B31112       | B23127             |
|               | (AIMS-L)    | M23212     |                | P111         | P111               |
| 31-69412      | IOM(M009)   | OPBC-R     | LEFT           | B31116       | B23127             |
|               | (AIMS-R)    | M23212     |                | P111         | P111               |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

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Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Overhead Panel Bus Controller (R), M23212.  
These are the tasks:  
Left Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-801,  
Left Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-801.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 830. AIMS No Input from Pass. Address/Cabin Interphone Controller on System ARINC 629 Bus (left) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69413, 31-69414.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU     | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|----------------|----------------|----------------|--------------------|
| 31-69413      | IOM(M009)<br>(AIMS-L) | PACI<br>M23016 | LEFT           | B31112<br>P111 | B24128<br>P111     |
| 31-69414      | IOM(M009)<br>(AIMS-R) | PACI<br>M23016 | LEFT           | B31116<br>P111 | B24128<br>P111     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Address/Cabin Interphone Controller, M23016.
- These are the tasks:
- Passenger Address/Cabin Interphone Controller (PA/CI) Removal, AMM TASK 23-39-03-000-801,  
Passenger Address/Cabin Interphone Controller (PA/CI) Installation, AMM TASK 23-39-03-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.
- These are the tasks:

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ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 831. **AIMS No Input from Pass. Address/Cabin Interphone Controller on System ARINC 629 Bus (left) - Fault Isolation**

#### A. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### B. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU     | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|----------------|----------------|----------------|--------------------|
| 31-69413      | IOM(M009)<br>(AIMS-L) | PACI<br>M23016 | LEFT           | B31112<br>P111 | B24128<br>P111     |
| 31-69414      | IOM(M009)<br>(AIMS-R) | PACI<br>M23016 | LEFT           | B31116<br>P111 | B24128<br>P111     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Address/Cabin Interphone Controller, M23016.

These are the tasks:

Passenger Address/Cabin Interphone Controller (PA/CI) Removal, AMM TASK 23-39-03-000-801,

Passenger Address/Cabin Interphone Controller (PA/CI) Installation, AMM TASK 23-39-03-400-801.

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- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### 832. AIMS No Input from Audio Management Unit on System ARINC 629 Bus (left) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69415, 31-69416.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT<br>MESSAGE | AIMS<br>MODULE        | SOURCE<br>LRU | SYSTEM<br>629 BUS | AIMS<br>COUPLER | SOURCE LRU<br>COUPLER |
|------------------|-----------------------|---------------|-------------------|-----------------|-----------------------|
| 31-69415         | IOM(M009)<br>(AIMS-L) | AMU<br>M23008 | LEFT              | B31112<br>P111  | B24102<br>P111        |
| 31-69416         | IOM(M009)<br>(AIMS-R) | AMU<br>M23008 | LEFT              | B31116<br>P111  | B24102<br>P111        |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

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These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
  - (a) Audio Management Unit, M23008.

These are the tasks:

Audio Management Unit (AMU) Removal, AMM TASK 23-51-04-000-801,

Audio Management Unit (AMU) Installation, AMM TASK 23-51-04-400-801.

- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### **834. AIMS No Input from Generator Control Unit on System ARINC 629 Bus (left) - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69423, 31-69424, 31-69425, 31-69426.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU      | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|-----------------|----------------|----------------|--------------------|
| 31-69423      | IOM(M009)<br>(AIMS-L) | GCU-L<br>M24105 | LEFT           | B31112<br>P111 | B24103<br>P111     |
| 31-69424      | IOM(M009)<br>(AIMS-R) | GCU-L<br>M21058 | LEFT           | B31116<br>P111 | B24103<br>P111     |
| 31-69425      | IOM(M009)<br>(AIMS-L) | GCU-R<br>M24205 | LEFT           | B31112<br>P111 | B24104<br>P111     |
| 31-69426      | IOM(M009)<br>(AIMS-R) | GCU-R<br>M24205 | LEFT           | B31116<br>P111 | B24104<br>P111     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable source LRU.
- (a) Generator Control Unit (L), M24105 or Generator Control Unit (L), M24205.
- These are the tasks:
- Generator Control Unit Removal, AMM TASK 24-22-02-000-801,  
Generator Control Unit Installation, AMM TASK 24-22-02-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (6) Replace the ARINC 629 coupler for the applicable source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 835. AIMS No Input from Auxiliary Generator Control Unit on System ARINC 629 Bus (left) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69427, 31-69428.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU     | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|----------------|----------------|----------------|--------------------|
| 31-69427      | IOM(M009)<br>(AIMS-L) | AGCU<br>M24305 | LEFT           | B31112<br>P111 | B24105<br>P111     |
| 31-69428      | IOM(M009)<br>(AIMS-R) | AGCU<br>M24305 | LEFT           | B31116<br>P111 | B24105<br>P111     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,
- Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Auxiliary Generator Control Unit, M24305.

These are the tasks:

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Generator Control Unit Removal, AMM TASK 24-22-02-000-801,  
Generator Control Unit Installation, AMM TASK 24-22-02-400-801.

- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 836. AIMS No Input from Bus Power Control Unit on System ARINC 629 Bus (left) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69429, 31-69430.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU     | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|----------------|----------------|----------------|--------------------|
| 31-69429      | IOM(M009)<br>(AIMS-L) | BPCU<br>M27002 | LEFT           | B31112<br>P111 | B27106<br>P111     |
| 31-69430      | IOM(M009)<br>(AIMS-R) | BPCU<br>M27002 | LEFT           | B31116<br>P111 | B27106<br>P111     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.

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- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
  - (a) Bus Power Control Unit, M24002.  
These are the tasks:  
BPCU Removal, AMM TASK 24-41-05-000-801,  
BPCU Installation, AMM TASK 24-41-05-400-801.
    - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 837. AIMS No Input from Converter on System ARINC 629 Bus (left) - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69431, 31-69432.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU     | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|----------------|----------------|----------------|--------------------|
| 31-69431      | IOM(M009)<br>(AIMS-L) | Conv<br>M24008 | LEFT           | B31112<br>P111 | B24102<br>P111     |
| 31-69432      | IOM(M009)<br>(AIMS-R) | Conv<br>M24008 | LEFT           | B31116<br>P111 | B24102<br>P111     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Backup Converter, M24008.
- These are the tasks:
- Backup Generator Converter Removal, AMM TASK 24-25-09-000-801,  
Backup Generator Converter Installation, AMM TASK 24-25-09-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 838. AIMS No Input from FSEU 1 on System ARINC 629 Bus (left) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69433, 31-69434.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT<br>MESSAGE | AIMS<br>MODULE        | SOURCE<br>LRU   | SYSTEM<br>629 BUS | AIMS<br>COUPLER | SOURCE LRU<br>COUPLER |
|------------------|-----------------------|-----------------|-------------------|-----------------|-----------------------|
| 31-69433         | IOM(M009)<br>(AIMS-L) | FSEU1<br>M27001 | LEFT              | B31112<br>P111  | B27101<br>P111        |
| 31-69434         | IOM(M009)<br>(AIMS-R) | FSEU1<br>M27001 | LEFT              | B31116<br>P111  | B27101<br>P111        |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) FSEU 1, M27001.
- These are the tasks:
- Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801,  
Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (5) Replace the applicable ARINC 629 coupler for the AIMS module.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 839. AIMS No Input from Fuel Quantity Processor Unit on System ARINC 629 Bus (left) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69437, 31-69438.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS Module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE | SOURCE LRU | SYSTEM 629 BUS | AIMS COUPLER | SOURCE LRU COUPLER |
|---------------|-------------|------------|----------------|--------------|--------------------|
| 31-69437      | IOM(M009)   | FQPU       | LEFT           | B31112       | B28041             |
|               | (AIMS-L)    | M28002     |                | P111         | P111               |
| 31-69438      | IOM(M009)   | FQPU       | LEFT           | B31116       | B28041             |
|               | (AIMS-R)    | M28002     |                | P111         | P111               |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
  - (a) Fuel Quantity Processor Unit, M28002.

These are the tasks:  
Fuel Quantity Processor Unit (FQPU) - Removal, AMM TASK 28-41-01-000-801,  
Fuel Quantity Processor Unit (FQPU) - Installation, AMM TASK 28-41-01-400-801.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 840. AIMS No Input from Warning Electronic Unit (left) on System ARINC 629 Bus (left) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69439, 31-69440.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT<br>MESSAGE | AIMS<br>MODULE        | SOURCE<br>LRU   | SYSTEM<br>629 BUS | AIMS<br>COUPLER | SOURCE LRU<br>COUPLER |
|------------------|-----------------------|-----------------|-------------------|-----------------|-----------------------|
| 31-69439         | IOM(M009)<br>(AIMS-L) | WEU-L<br>M31107 | LEFT              | B31112<br>P111  | B31122<br>P111        |

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| MAINT<br>MESSAGE | AIMS<br>MODULE        | SOURCE<br>LRU   | SYSTEM<br>629 BUS | AIMS<br>COUPLER | SOURCE LRU<br>COUPLER |
|------------------|-----------------------|-----------------|-------------------|-----------------|-----------------------|
| 31-69440         | IOM(M009)<br>(AIMS-R) | WEU-L<br>M31107 | LEFT              | B31116<br>P111  | B31122<br>P111        |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
  - (a) Warning Electronics Unit (left), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 841. AIMS No Input from PSEU 1 on System ARINC 629 Bus (left) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69443, 31-69444, 31-69445, 31-69446.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU          | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|---------------------|----------------|----------------|--------------------|
| 31-69443      | IOM(M009)<br>(AIMS-L) | PSEU1<br>M32021-A02 | LEFT           | B31112<br>P111 | B32115<br>P115     |
| 31-69444      | IOM(M009)<br>(AIMS-R) | PSEU1<br>M32021-A02 | LEFT           | B31116<br>P111 | B32115<br>P115     |
| 31-69445      | IOM(M009)<br>(AIMS-L) | PSEU2<br>M32025-A17 | LEFT           | B31112<br>P111 | B32215<br>P115     |
| 31-69446      | IOM(M009)<br>(AIMS-R) | PSEU2<br>M32025-A17 | LEFT           | B31116<br>P111 | B32215<br>P115     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable source LRU.
- (a) CCA, Communication in PSEU 1, M32021-A02, or CCA, Communication in PSEU 2, M32025-A17.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,  
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the applicable source LRU.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

**END OF TASK**

**842. AIMS No Input from Brake System Control Unit (Primary Chan) on System ARINC 629 Bus (left) - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69447, 31-69448.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU     | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|----------------|----------------|----------------|--------------------|
| 31-69447      | IOM(M009)<br>(AIMS-L) | BSCU<br>M32017 | LEFT           | B31112<br>P111 | B32113<br>P115     |
| 31-69448      | IOM(M009)<br>(AIMS-R) | BSCU<br>M32017 | LEFT           | B31116<br>P111 | B32113<br>P115     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

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Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Brake System Control Unit, M32017.  
These are the tasks:  
Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801,  
Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 843. AIMS No Input from Brake Temperature Monitor Unit on System ARINC 629 Bus (left) - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69449, 31-69450.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU     | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|----------------|----------------|----------------|--------------------|
| 31-69449      | IOM(M009)<br>(AIMS-L) | TBMU<br>M32490 | LEFT           | B31112<br>P111 | B32114<br>P115     |
| 31-69450      | IOM(M009)<br>(AIMS-R) | TBMU<br>M32490 | LEFT           | B31116<br>P111 | B32114<br>P115     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Tire Brake Monitor Unit(TBMU), M32490.
- These are the tasks:
- Tire and Brake Monitoring Unit (TBMU) Removal, AMM TASK 32-46-04-000-801,  
Tire and Brake Monitoring Unit (TBMU) Installation, AMM TASK 32-46-04-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 844. AIMS No Input from Main Gear Steering Control Unit on System ARINC 629 Bus (left) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69451, 31-69452.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU      | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|-----------------|----------------|----------------|--------------------|
| 31-69451      | IOM(M009)<br>(AIMS-L) | MGSCU<br>M32037 | LEFT           | B31112<br>P111 | B31111<br>P115     |
| 31-69452      | IOM(M009)<br>(AIMS-R) | MGSCU<br>M32037 | LEFT           | B31116<br>P111 | B31111<br>P115     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Main Gear Steering Control Unit, M32037.
- These are the tasks:
- Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801,  
Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.

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- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### 845. AIMS No Input from Tire Pressure Monitor Unit on System ARINC 629 Bus (left) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69453, 31-69454.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT<br>MESSAGE | AIMS<br>MODULE        | SOURCE<br>LRU  | SYSTEM<br>629 BUS | AIMS<br>COUPLER | SOURCE LRU<br>COUPLER |
|------------------|-----------------------|----------------|-------------------|-----------------|-----------------------|
| 31-69453         | IOM(M009)<br>(AIMS-L) | TBMU<br>M32490 | LEFT              | B31112<br>P111  | B31114<br>P115        |
| 31-69454         | IOM(M009)<br>(AIMS-R) | TBMU<br>M32490 | LEFT              | B31116<br>P111  | B31114<br>P115        |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

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These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
  - (a) Tire Pressure Monitor Unit, M32036.

These are the tasks:

Tire and Brake Monitoring Unit (TBMU) Removal, AMM TASK 32-49-04-000-801,

Tire and Brake Monitoring Unit (TBMU) Installation, AMM TASK 32-49-04-400-801.

- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 846. AIMS No Input from Control Display Unit on System ARINC 629 Bus (left) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69455, 31-69456, 31-69457, 31-69458, 31-69459, 31-69460.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU      | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|-----------------|----------------|----------------|--------------------|
| 31-69455      | IOM(M009)<br>(AIMS-L) | CDU-L<br>N34103 | LEFT           | B31112<br>P111 | B31113<br>P111     |
| 31-69456      | IOM(M009)<br>(AIMS-R) | CDU-L<br>N34103 | LEFT           | B31116<br>P111 | B31113<br>P111     |
| 31-69457      | IOM(M009)<br>(AIMS-L) | CDU-R<br>N34203 | LEFT           | B31112<br>P111 | B31112<br>P111     |
| 31-69458      | IOM(M009)<br>(AIMS-R) | CDU-R<br>N34203 | LEFT           | B31116<br>P111 | B31112<br>P111     |
| 31-69459      | IOM(M009)<br>(AIMS-L) | CDU-C<br>N34303 | LEFT           | B31112<br>P111 | B31114<br>P111     |
| 31-69460      | IOM(M009)<br>(AIMS-R) | CDU-C<br>N34303 | LEFT           | B31116<br>P111 | B31114<br>P111     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable source LRU.
- (a) Control Display Unit (Left), N34103, Control Display Unit (Right), N34203, or Control Display Unit (Center), N34303.
- These are the tasks:
- Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801,  
Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the applicable ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 847. AIMS No Input from Air Supply Cabin Pressure Controller on System ARINC 629 Bus (left) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69461, 31-69462, 31-69463, 31-69464.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU        | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|-------------------|----------------|----------------|--------------------|
| 31-69461      | IOM(M009)<br>(AIMS-L) | ASCPC-L<br>M36111 | LEFT           | B31112<br>P111 | B36233<br>P111     |
| 31-69462      | IOM(M009)<br>(AIMS-R) | ASCPC-L<br>M36111 | LEFT           | B31116<br>P111 | B36233<br>P111     |
| 31-69463      | IOM(M009)<br>(AIMS-L) | ASCPC-R<br>M36112 | LEFT           | B31112<br>P111 | B36232<br>P111     |
| 31-69464      | IOM(M009)<br>(AIMS-R) | ASCPC-R<br>M36112 | LEFT           | B31116<br>P111 | B36232<br>P111     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

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Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable source LRU.
  - (a) Air Supply and Cabin Pressure Controller (L), M36111 or Air Supply and Cabin Pressure Controller (R), M36112.

These are the tasks:  
ASCPC Removal, AMM TASK 36-11-20-000-801,  
ASCPC Installation, AMM TASK 36-11-20-400-801.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the applicable ARINC 629 coupler for the source LRU.

These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 848. AIMS No Input from APU Controller on System ARINC 629 Bus (left) - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69465, 31-69466.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU     | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|----------------|----------------|----------------|--------------------|
| 31-69465      | IOM(M009)<br>(AIMS-L) | APUC<br>M49002 | LEFT           | B31112<br>P111 | B49101<br>P115     |
| 31-69466      | IOM(M009)<br>(AIMS-R) | APUC<br>M49002 | LEFT           | B31116<br>P111 | B49101<br>P115     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) APU Controller, M49002.
- These are the tasks:
- APU Controller (APUC) Removal, AMM TASK 49-61-05-000-801,  
APU Controller (APUC) Installation, AMM TASK 49-61-05-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 849. AIMS No Input from Signal Conditioner Unit (Left) on System ARINC 629 Bus (left) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69467, 31-69468.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINTMESSAGE | AIMSMODULE            | SOURCELRU       | SYSTEM<br>629 BUS | AIMS<br>COUPLER | SOURCE<br>LRUCOUPLER |
|--------------|-----------------------|-----------------|-------------------|-----------------|----------------------|
| 31-69467     | IOM(M009)<br>(AIMS-L) | SCU-L<br>M77102 | LEFT              | B31112<br>P111  | B77105<br>P111       |
| 31-69468     | IOM(M009)<br>(AIMS-R) | SCU-L<br>M77102 | LEFT              | B31116<br>P111  | B77105<br>P111       |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Signal Conditioner Unit (Left), M73102.
- These are the tasks:
- Airborne Vibration Monitor (AVM) Signal Conditioner Unit Removal, AMM TASK 77-31-03-000-803-H00,  
Airborne Vibration Monitor (AVM) Signal Conditioner Unit Installation, AMM TASK 77-31-03-400-804-H00.

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- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 850. AIMS No Input from Engine Data Interface Unit (L Eng) on System ARINC 629 Bus (left) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69469, 31-69470, 31-69471, 31-69472.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU       | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|------------------|----------------|----------------|--------------------|
| 31-69469      | IOM(M009)<br>(AIMS-L) | EDIU-L<br>M73103 | LEFT           | B31112<br>P311 | B73101<br>P311     |
| 31-69470      | IOM(M009)<br>(AIMS-R) | EDIU-L<br>M73103 | LEFT           | B31116<br>P311 | B73101<br>P311     |
| 31-69471      | IOM(M009)<br>(AIMS-L) | EDIU-L<br>M73103 | LEFT           | B31112<br>P311 | B73103<br>P311     |
| 31-69472      | IOM(M009)<br>(AIMS-R) | EDIU-L<br>M73103 | LEFT           | B31116<br>P311 | B73103<br>P311     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.

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- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable source LRU.
  - (a) Engine Data Interface Unit (L Eng), M73103 or Engine Data Interface Unit (R Eng), M73203.  
These are the tasks:  
Engine Data Interface Unit (EDIU) Removal, AMM TASK 73-21-22-000-804-H00,  
Engine Data Interface Unit (EDIU) Installation, AMM TASK 73-21-22-400-808-H00.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the applicable ARINC 629 coupler for the source LRU.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### **851. AIMS No Input from ARINC Signal Gateway (left) on System ARINC 629 Bus (left) - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69491, 31-69492, 31-69493, 31-69494.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU            | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|-----------------------|----------------|----------------|--------------------|
| 31-69491      | IOM(M009)<br>(AIMS-L) | ASG-L LSCF<br>P085A12 | LEFT           | B31112<br>P111 | B31101<br>P111     |
| 31-69492      | IOM(M009)<br>(AIMS-R) | ASG-L LSCF<br>P085A12 | LEFT           | B31116<br>P111 | B31101<br>P111     |
| 31-69493      | IOM(M009)<br>(AIMS-L) | ASG-L RSCF<br>P084A12 | LEFT           | B31112<br>P111 | B31201<br>P111     |
| 31-69494      | IOM(M009)<br>(AIMS-R) | ASG-L RSCF<br>P084A12 | LEFT           | B31116<br>P111 | B31201<br>P111     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
  - (a) ASG-L, LSCF, P085A12 or ASG-L, RSCF, P084A12.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 852. AIMS No Input from any LRU on System ARINC 629 Bus (center 1) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69501, 31-69502.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) In the list below, find the Coupler, AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT<br>MESSAGE | ARINC 629<br>SYSTEM(C1)<br>COUPLER | AIMS<br>MODULE        | ARINC 629<br>(C2)CPLER<br>CONNECTOR | AIMS<br>CONNECTOR |
|------------------|------------------------------------|-----------------------|-------------------------------------|-------------------|
| 31-69501         | B31312                             | IOM(M008)<br>(AIMS-L) | DB31312                             | P8-A              |
|                  |                                    |                       | pin 5                               | pin E5            |
|                  |                                    |                       | pin 4                               | pin E6            |
| 31-69502         | B31317                             | IOM(M008)<br>(AIMS-R) | DB31317                             | P8-A              |
|                  |                                    |                       | pin 5                               | pin E5            |
|                  |                                    |                       | pin 4                               | pin E6            |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M008) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable ARINC 629 coupler.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable AIMS module.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 31-41-25) (WDM 31-41-26):
  - (a) Remove the applicable ARINC 629 coupler. To remove it, do this task: ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801.
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between the specified pins of the applicable ARINC 629 coupler connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the applicable ARINC 629 coupler. To install it, do this task: ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
  - (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 853. AIMS No Input from Autopilot Flight Director Computer (Center) on System ARINC 629 Bus (center 1) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69507, 31-69508.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU       | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|------------------|----------------|----------------|--------------------|
| 31-69507      | IOM(M008)<br>(AIMS-L) | AFDC-C<br>M22301 | CENTER 1       | B31312<br>P311 | B22304<br>P311     |
| 31-69508      | IOM(M008)<br>(AIMS-R) | AFDC-C<br>M22301 | CENTER 1       | B31317<br>P311 | B22304<br>P311     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M008) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) AFDC-C, M22301.
- These are the tasks:
- Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,  
Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 854. AIMS No Input from FSEU 1 Monitor Channel on System ARINC 629 Bus (center 1) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69533, 31-69534, 31-69535, 31-69536.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU       | SYSTEM 629 BUS | AIMSCOUPLER    | SOURCE LRU COUPLER |
|---------------|-----------------------|------------------|----------------|----------------|--------------------|
| 31-69533      | IOM(M008)<br>(AIMS-L) | FSEU 1<br>M27001 | CENTER 1       | B31312<br>P311 | B27302<br>P311     |
| 31-69534      | IOM(M008)<br>(AIMS-R) | FSEU 1<br>M27001 | CENTER 1       | B31317<br>P311 | B27302<br>P311     |
| 31-69535      | IOM(M008)<br>(AIMS-L) | FSEU 2<br>M27002 | CENTER 1       | B31312<br>P311 | B27304<br>P311     |
| 31-69536      | IOM(M008)<br>(AIMS-R) | FSEU 2<br>M27002 | CENTER 1       | B31317<br>P311 | B27304<br>P311     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M008) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable source LRU.
- (a) FSEU 1, M27001 or FSEU 2, M27002.

These are the tasks:

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Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801,  
Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.

- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the applicable ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 855. AIMS No Input from Warning Electronic Unit on System ARINC 629 Bus (center 1) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69539, 31-69540, 31-69541, 31-69542.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU      | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|-----------------|----------------|----------------|--------------------|
| 31-69539      | IOM(M008)<br>(AIMS-L) | WEU-L<br>M31107 | CENTER 1       | B31312<br>P311 | B31323<br>P311     |
| 31-69540      | IOM(M008)<br>(AIMS-R) | WEU-L<br>M31107 | CENTER 1       | B31317<br>P311 | B31323<br>P311     |
| 31-69541      | IOM(M008)<br>(AIMS-L) | WEU-R<br>M31207 | CENTER 1       | B31312<br>P311 | B31322<br>P311     |
| 31-69542      | IOM(M008)<br>(AIMS-R) | WEU-R<br>M31207 | CENTER 1       | B31317<br>P311 | B31322<br>P311     |

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- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M008) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable source LRU.
  - (a) Warning Electronics Unit (left), M 31107 or Warning Electronics Unit (right), M 31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the applicable ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 856. AIMS No Input from Engine Data Interface Unit on System ARINC 629 Bus (center 1) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69569, 31-69570, 31-69573, 31-69574, 31-69577, 31-69578, 31-69579, 31-69580.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU       | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|------------------|----------------|----------------|--------------------|
| 31-69569      | IOM(M008)<br>(AIMS-L) | EDIU-L<br>M73103 | CENTER 1       | B31312<br>P311 | B73102<br>P311     |
| 31-69570      | IOM(M008)<br>(AIMS-R) | EDIU-L<br>M73103 | CENTER 1       | B31317<br>P311 | B73102<br>P311     |
| 31-69573      | IOM(M008)<br>(AIMS-L) | EDIU-L<br>M73103 | CENTER 1       | B31312<br>P311 | B73105<br>P311     |
| 31-69574      | IOM(M008)<br>(AIMS-R) | EDIU-L<br>M73103 | CENTER 1       | B31317<br>P311 | B73105<br>P311     |
| 31-69577      | IOM(M008)<br>(AIMS-L) | EDIU-R<br>M73203 | CENTER 1       | B31312<br>P311 | B73202<br>P311     |
| 31-69578      | IOM(M008)<br>(AIMS-R) | EDIU-R<br>M73203 | CENTER 1       | B31317<br>P311 | B73202<br>P311     |
| 31-69579      | IOM(M008)<br>(AIMS-L) | EDIU-R<br>M73203 | CENTER 1       | B31312<br>P311 | B73205<br>P311     |
| 31-69580      | IOM(M008)<br>(AIMS-R) | EDIU-R<br>M73203 | CENTER 1       | B31317<br>P311 | B73205<br>P311     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M008) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable source LRU.
  - (a) Engine Data Interface Unit (L Eng), M73103 or Engine Data Interface Unit (R Eng), M73203.

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These are the tasks:

Engine Data Interface Unit (EDIU) Removal, AMM TASK 73-21-22-000-804-H00,  
Engine Data Interface Unit (EDIU) Installation, AMM TASK 73-21-22-400-808-H00.

- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the applicable ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 857. AIMS No Input from any LRU on System ARINC 629 Bus (right) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69601, 31-69602.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) In the list below, find the Coupler, AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT<br>MESSAGE | ARINC 629<br>SYSTEM(C2)<br>COUPLER | AIMS<br>MODULE        | ARINC 629<br>(C2)CPLER<br>CONNECTOR | AIMS<br>CONNECTOR |
|------------------|------------------------------------|-----------------------|-------------------------------------|-------------------|
| 31-69601         | B31211                             | IOM(M004)<br>(AIMS-L) | DB31211                             | P4-A              |
|                  |                                    |                       | pin 5                               | pin A5            |
|                  |                                    |                       | pin 4                               | pin A6            |
| 31-69602         | B31214                             | IOM(M004)<br>(AIMS-R) | DB31214                             | P4-A              |
|                  |                                    |                       | pin 5                               | pin A5            |
|                  |                                    |                       | pin 4                               | pin A6            |

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- (2) Replace the applicable ARINC 629 coupler.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the applicable AIMS module.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this check of the wiring (WDM 31-41-25) (WDM 31-41-26):
  - (a) Remove the applicable ARINC 629 coupler. To remove it, do this task: ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801.
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between the specified pins of the applicable ARINC 629 coupler connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the applicable ARINC 629 coupler. To install it, do this task: ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
  - (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 858. AIMS No Input from Cabin Temperature Controller on System ARINC 629 Bus (right) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69603, 31-69604, 31-69605, 31-69606.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU      | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|-----------------|----------------|----------------|--------------------|
| 31-69603      | IOM(M004)<br>(AIMS-L) | CTL-L<br>M21631 | RIGHT          | B31211<br>P211 | B21632<br>P211     |
| 31-69604      | IOM(M004)<br>(AIMS-R) | CTL-L<br>M21631 | RIGHT          | B31214<br>P211 | B21632<br>P211     |
| 31-69605      | IOM(M004)<br>(AIMS-L) | CTL-R<br>M21632 | RIGHT          | B31211<br>P211 | B21634<br>P211     |
| 31-69606      | IOM(M004)<br>(AIMS-R) | CTL-R<br>M21632 | RIGHT          | B31214<br>P211 | B21634<br>P211     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M004) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable source LRU.

- (a) Cabin Temperature Controller (Left), M21631 or Cabin Temperature Controller (Right), M21632.

These are the tasks:

Cabin Temperature Controller (CTC) Removal, AMM TASK 21-61-01-000-801,

Cabin Temperature Controller (CTC) Installation, AMM TASK 21-61-01-400-801.

- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (6) Replace the applicable ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 859. AIMS No Input from Autopilot Flight Director Computer (Right) on System ARINC 629 Bus (right) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69607, 31-69608.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU       | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|------------------|----------------|----------------|--------------------|
| 31-69607      | IOM(M004)<br>(AIMS-L) | AFDC-R<br>M22201 | RIGHT          | B31211<br>P211 | B22204<br>P211     |
| 31-69608      | IOM(M004)<br>(AIMS-R) | AFDC-R<br>M22201 | RIGHT          | B31214<br>P211 | B22204<br>P211     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M004) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable source LRU.
- (a) Autopilot Flight Director Computer (Right), M22201.

These are the tasks:

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Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,  
Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.

- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the applicable ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 860. AIMS No Input from Overhead Panel Bus Controller (L) on System ARINC 629 Bus (right) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69609, 31-69610.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU       | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|------------------|----------------|----------------|--------------------|
| 31-69609      | IOM(M004)<br>(AIMS-L) | OPBC-L<br>M23112 | RIGHT          | B31211<br>P211 | B23226<br>P211     |
| 31-69610      | IOM(M004)<br>(AIMS-R) | OPBC-L<br>M23112 | RIGHT          | B31214<br>P211 | B23226<br>P211     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M004) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.

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- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
  - (a) Overhead Panel Bus Controller (L), M23112.  
These are the tasks:  
Left Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-801,  
Left Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-801.
    - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 861. AIMS No Input from Overhead Panel Bus Controller (R) on System ARINC 629 Bus (right) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69611, 31-69612.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU       | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|------------------|----------------|----------------|--------------------|
| 31-69611      | IOM(M004)<br>(AIMS-L) | OPBC-R<br>M23212 | RIGHT          | B31211<br>P211 | B23227<br>P211     |
| 31-69612      | IOM(M004)<br>(AIMS-R) | OPBC-R<br>M23212 | RIGHT          | B31214<br>P211 | B23227<br>P211     |

- (2) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (3) Replace the source LRU.

- (a) Overhead Panel Bus Controller (R), M23212.

These are the tasks:

Right Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-802,

Right Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-802.

- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.

- (4) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (5) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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862. AIMS No Input from Cabin System Management Unit on System ARINC 629 Bus (right) - Fault Isolation

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69613, 31-69614.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU     | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|----------------|----------------|----------------|--------------------|
| 31-69613      | IOM(M004)<br>(AIMS-L) | CSMU<br>M23061 | RIGHT          | B31211<br>P211 | B23228<br>P211     |
| 31-69614      | IOM(M004)<br>(AIMS-R) | CSMU<br>M23061 | RIGHT          | B31214<br>P211 | B23228<br>P211     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M004) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Cabin System Management Unit, M23061.
- These are the tasks:
- Cabin System Management Unit (CSMU) Removal, AMM TASK 23-39-11-000-801,  
Cabin System Management Unit (CSMU) Installation, AMM TASK 23-39-11-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:

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ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the applicable ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 864. AIMS No Input from Generator Control Unit on System ARINC 629 Bus (right) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69623, 31-69624, 31-69625, 31-69626.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU      | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|-----------------|----------------|----------------|--------------------|
| 31-69623      | IOM(M004)<br>(AIMS-L) | GCU-L<br>M24105 | RIGHT          | B31211<br>P211 | B24203<br>P211     |
| 31-69624      | IOM(M004)<br>(AIMS-R) | GCU-L<br>M24105 | RIGHT          | B31214<br>P211 | B24203<br>P211     |
| 31-69625      | IOM(M004)<br>(AIMS-L) | GCU-R<br>M24205 | RIGHT          | B31211<br>P211 | B24204<br>P211     |
| 31-69626      | IOM(M004)<br>(AIMS-R) | GCU-R<br>M24205 | RIGHT          | B31214<br>P211 | B24204<br>P211     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M004) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

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Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable source LRU.
  - (a) Generator Control Unit (L), M24105 or Generator Control Unit (R), M24205.

These are the tasks:  
Generator Control Unit Removal, AMM TASK 24-22-02-000-801,  
Generator Control Unit Installation, AMM TASK 24-22-02-400-801.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the applicable ARINC 629 coupler for the source LRU.

These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### **865. AIMS No Input from Auxiliary Generator Control Unit on System ARINC 629 Bus (right) - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69627, 31-69628.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT<br>MESSAGE | AIMS<br>MODULE        | SOURCE<br>LRU  | SYSTEM<br>629 BUS | AIMS<br>COUPLER | SOURCE LRU<br>COUPLER |
|------------------|-----------------------|----------------|-------------------|-----------------|-----------------------|
| 31-69627         | IOM(M004)<br>(AIMS-L) | AGCU<br>M24305 | RIGHT             | B31211<br>P211  | B24205<br>P211        |
| 31-69628         | IOM(M004)<br>(AIMS-R) | AGCU<br>M24305 | RIGHT             | B31214<br>P211  | B24205<br>P211        |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M004) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.

- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (4) Replace the source LRU.

- (a) Auxiliary Generator Control Unit, M24305.

These are the tasks:

Generator Control Unit Removal, AMM TASK 24-22-02-000-801,

Generator Control Unit Installation, AMM TASK 24-22-02-400-801.

- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (c) If the MAT shows ACTIVE for the maintenance message, then continue.

- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 866. AIMS No Input from Bus Power Control Unit on System ARINC 629 Bus (right) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69629, 31-69630.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT<br>MESSAGE | AIMS<br>MODULE        | SOURCE<br>LRU  | SYSTEM<br>629 BUS | AIMS<br>COUPLER | SOURCE LRU<br>COUPLER |
|------------------|-----------------------|----------------|-------------------|-----------------|-----------------------|
| 31-69629         | IOM(M004)<br>(AIMS-L) | BPCU<br>M24002 | RIGHT             | B31211<br>P211  | B24206<br>P211        |
| 31-69630         | IOM(M004)<br>(AIMS-R) | BPCU<br>M24002 | RIGHT             | B31214<br>P211  | B24206<br>P211        |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M004) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Bus Power Control Unit, M24002.
- These are the tasks:
- BPCU Removal, AMM TASK 24-41-05-000-801,  
BPCU Installation, AMM TASK 24-41-05-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (5) Replace the applicable ARINC 629 coupler for the AIMS module.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 867. AIMS No Input from Converter on System ARINC 629 Bus (right) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69631, 31-69632.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE | SOURCE LRU | SYSTEM 629 BUS | AIMS COUPLER | SOURCE LRU COUPLER |
|---------------|-------------|------------|----------------|--------------|--------------------|
| 31-69631      | IOM(M004)   | CONV       | RIGHT          | B31211       | B24202             |
|               | (AIMS-L)    | M24008     |                | P211         | P211               |
| 31-69632      | IOM(M004)   | CONV       | RIGHT          | B31214       | B24202             |
|               | (AIMS-R)    | M24008     |                | P211         | P211               |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M004) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
  - (a) Backup Converter, M24008.

These are the tasks:  
Backup Generator Converter Removal, AMM TASK 24-25-09-000-801,  
Backup Generator Converter Installation, AMM TASK 24-25-09-400-801.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 868. AIMS No Input from FSEU 2 on System ARINC 629 Bus (right) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69635, 31-69636.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT<br>MESSAGE | AIMS<br>MODULE        | SOURCE<br>LRU    | SYSTEM<br>629 BUS | AIMS<br>COUPLER | SOURCE LRU<br>COUPLER |
|------------------|-----------------------|------------------|-------------------|-----------------|-----------------------|
| 31-69635         | IOM(M004)<br>(AIMS-L) | FSEU 2<br>M27002 | RIGHT             | B31211<br>P211  | B27201<br>P211        |

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| MAINT<br>MESSAGE | AIMS<br>MODULE        | SOURCE<br>LRU    | SYSTEM<br>629 BUS | AIMS<br>COUPLER | SOURCE LRU<br>COUPLER |
|------------------|-----------------------|------------------|-------------------|-----------------|-----------------------|
| 31-69636         | IOM(M004)<br>(AIMS-R) | FSEU 2<br>M27002 | RIGHT             | B31214<br>P211  | B27201<br>P211        |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M004) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
  - (a) FSEU 2, M27002.

These are the tasks:

Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801,  
Flap/Slat Electronics Unit (FSEU) Software Installation, AMM TASK 27-51-01-400-802.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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869. AIMS No Input from Fuel Quantity Processor Unit on System ARINC 629 Bus (right) - Fault Isolation

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69637, 31-69638.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU     | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|----------------|----------------|----------------|--------------------|
| 31-69637      | IOM(M004)<br>(AIMS-L) | FQPU<br>M28002 | RIGHT          | B31211<br>P211 | B28042<br>P211     |
| 31-69638      | IOM(M004)<br>(AIMS-R) | FQPU<br>M28002 | RIGHT          | B31214<br>P211 | B28042<br>P211     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M004) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Fuel Quantity Processor Unit, M28002.
- These are the tasks:
- Fuel Quantity Processor Unit (FQPU) - Removal, AMM TASK 28-41-01-000-801,  
Fuel Quantity Processor Unit (FQPU) - Installation, AMM TASK 28-41-01-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:

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ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 870. AIMS No Input from Warning Electronics Unit (right) on System ARINC 629 Bus (right) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69641, 31-69642.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU      | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|-----------------|----------------|----------------|--------------------|
| 31-69641      | IOM(M004)<br>(AIMS-L) | WEU-R<br>M31207 | RIGHT          | B31211<br>P211 | B31222<br>P211     |
| 31-69642      | IOM(M004)<br>(AIMS-R) | WEU-R<br>M31207 | RIGHT          | B31214<br>P211 | B31222<br>P211     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M004) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
  - (a) Warning Electronics Unit (right), M31207.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 871. AIMS No Input from PSEU on System ARINC 629 Bus (right) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69643, 31-69644, 31-69645, 31-69646.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT<br>MESSAGE | AIMS<br>MODULE        | SOURCE<br>LRU            | SYSTEM<br>629 BUS | AIMS<br>COUPLER | SOURCE LRU<br>COUPLER |
|------------------|-----------------------|--------------------------|-------------------|-----------------|-----------------------|
| 31-69643         | IOM(M004)<br>(AIMS-L) | CCA,PSEU 1<br>M32021-A17 | RIGHT             | B31211<br>P211  | B32301<br>P211        |

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| MAINT<br>MESSAGE | AIMS<br>MODULE        | SOURCE<br>LRU            | SYSTEM<br>629 BUS | AIMS<br>COUPLER | SOURCE LRU<br>COUPLER |
|------------------|-----------------------|--------------------------|-------------------|-----------------|-----------------------|
| 31-69644         | IOM(M004)<br>(AIMS-R) | CCA,PSEU 1<br>M32021-A17 | RIGHT             | B31214<br>P211  | B32301<br>P211        |
| 31-69645         | IOM(M004)<br>(AIMS-L) | CCA,PSEU 2<br>M32025-A02 | RIGHT             | B31211<br>P211  | B32302<br>P211        |
| 31-69646         | IOM(M004)<br>(AIMS-R) | CCA,PSEU 2<br>M32025-A02 | RIGHT             | B31214<br>P211  | B32302<br>P211        |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M004) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable source LRU.
- (a) CCA, Communication in PSEU 1, M32021-A17 or CCA, Communication in PSEU 2, M32025-A02.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,  
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the applicable ARINC 629 coupler for the source LRU.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 872. AIMS No Input from Brake System Control Unit (Primary Chan) on System ARINC 629 Bus (right) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69647, 31-69648.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU     | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|----------------|----------------|----------------|--------------------|
| 31-69647      | IOM(M004)<br>(AIMS-L) | BSCU<br>M32017 | RIGHT          | B31211<br>P211 | B32213<br>P215     |
| 31-69648      | IOM(M004)<br>(AIMS-R) | BSCU<br>M32017 | RIGHT          | B31214<br>P211 | B32213<br>P215     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M004) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Brake System Control Unit, M32017.
- These are the tasks:
- Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801,  
Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.

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- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 873. AIMS No Input from Control Display Unit on System ARINC 629 Bus (right) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69655, 31-69656, 31-69657, 31-69658, 31-69659, 31-69660.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU      | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|-----------------|----------------|----------------|--------------------|
| 31-69655      | IOM(M004)<br>(AIMS-L) | CDU-L<br>N34103 | RIGHT          | B31211<br>P211 | B31210<br>P211     |
| 31-69656      | IOM(M004)<br>(AIMS-R) | CDU-L<br>N34103 | RIGHT          | B31214<br>P211 | B31210<br>P211     |
| 31-69657      | IOM(M004)<br>(AIMS-L) | CDU-R<br>N34203 | RIGHT          | B31211<br>P211 | B31211<br>P211     |
| 31-69658      | IOM(M004)<br>(AIMS-R) | CDU-R<br>N34203 | RIGHT          | B31214<br>P211 | B31213<br>P211     |
| 31-69659      | IOM(M004)<br>(AIMS-L) | CDU-C<br>N34303 | RIGHT          | B31211<br>P211 | B31212<br>P211     |

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| MAINT<br>MESSAGE | AIMS<br>MODULE        | SOURCE<br>LRU   | SYSTEM<br>629 BUS | AIMS<br>COUPLER | SOURCE LRU<br>COUPLER |
|------------------|-----------------------|-----------------|-------------------|-----------------|-----------------------|
| 31-69660         | IOM(M004)<br>(AIMS-R) | CDU-C<br>N34303 | RIGHT             | B31214<br>P211  | B31212<br>P211        |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M004) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable source LRU.
  - (a) Control Display Unit (Left), N34103, Control Display Unit (Right), N34203, or Control Display Unit (Center), N34303.

These are the tasks:

Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801,  
Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the applicable ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 874. AIMS No Input from Air Supply Cabin Pressure Controller on System ARINC 629 Bus (right) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69661, 31-69662, 31-69663, 31-69664.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU        | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|-------------------|----------------|----------------|--------------------|
| 31-69661      | IOM(M004)<br>(AIMS-L) | ASCPC-L<br>M36111 | RIGHT          | B31211<br>P211 | B36234<br>P211     |
| 31-69662      | IOM(M004)<br>(AIMS-R) | ASCPC-L<br>M36111 | RIGHT          | B31214<br>P211 | B36234<br>P211     |
| 31-69663      | IOM(M004)<br>(AIMS-L) | ASCPC-R<br>M36112 | RIGHT          | B31211<br>P211 | B36231<br>P211     |
| 31-69664      | IOM(M004)<br>(AIMS-R) | ASCPC-R<br>M36112 | RIGHT          | B31214<br>P211 | B36231<br>P211     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M004) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable source LRU.
- (a) Air Supply and Cabin Pressure Controller (L), M36111 or Air Supply and Cabin Pressure Controller (R), M36112.
- These are the tasks:
- ASCPC Removal, AMM TASK 36-11-20-000-801,  
ASCPC Installation, AMM TASK 36-11-20-400-801.

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- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the applicable ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 875. AIMS No Input from APU Controller on System ARINC 629 Bus (right) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69665, 31-69666.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT<br>MESSAGE | AIMS<br>MODULE        | SOURCE<br>LRU  | SYSTEM<br>629 BUS | AIMS<br>COUPLER | SOURCE LRU<br>COUPLER |
|------------------|-----------------------|----------------|-------------------|-----------------|-----------------------|
| 31-69665         | IOM(M004)<br>(AIMS-L) | APUC<br>M49002 | RIGHT             | B31211<br>P211  | B49201<br>P215        |
| 31-69666         | IOM(M004)<br>(AIMS-R) | APUC<br>M49002 | RIGHT             | B31214<br>P211  | B49201<br>P215        |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M004) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

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These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
  - (a) APU Controller, M49002.

These are the tasks:

APU Controller (APUC) Removal, AMM TASK 49-61-05-000-801,  
APU Controller (APUC) Installation, AMM TASK 49-61-05-400-801.

- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 876. AIMS No Input from Signal Conditioner Unit (Right) on System ARINC 629 Bus (right) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69667, 31-69668.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT<br>MESSAGE | AIMS<br>MODULE        | SOURCE<br>LRU   | SYSTEM<br>629 BUS | AIMS<br>COUPLER | SOURCE LRU<br>COUPLER |
|------------------|-----------------------|-----------------|-------------------|-----------------|-----------------------|
| 31-69667         | IOM(M004)<br>(AIMS-L) | SCU-R<br>M77202 | RIGHT             | B31211<br>P211  | B77205<br>P211        |
| 31-69668         | IOM(M004)<br>(AIMS-R) | SCU-R<br>M77202 | RIGHT             | B31214<br>P211  | B77205<br>P211        |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M004) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.
- (a) Signal Conditioning Unit (Right), M77202.
- These are the tasks:
- Airborne Vibration Monitor (AVM) Signal Conditioner Unit Removal, AMM TASK 77-31-03-000-803-H00,  
Airborne Vibration Monitor (AVM) Signal Conditioner Unit Installation, AMM TASK 77-31-03-400-804-H00.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the source LRU.
- These are the tasks:

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ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 877. **AIMS No Input from Engine Data Interface Unit (R Eng) on System ARINC 629 Bus (right) - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69675, 31-69676, 31-69677, 31-69678.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| <b>MAINT MESSAGE</b> | <b>AIMS MODULE</b>    | <b>SOURCE LRU</b> | <b>SYSTEM 629 BUS</b> | <b>AIMS COUPLER</b> | <b>SOURCE LRU COUPLER</b> |
|----------------------|-----------------------|-------------------|-----------------------|---------------------|---------------------------|
| 31-69675             | IOM(M004)<br>(AIMS-L) | EDIU-R<br>M73203  | RIGHT                 | B31211<br>P211      | B73201<br>P211            |
| 31-69676             | IOM(M004)<br>(AIMS-R) | EDIU-R<br>M73203  | RIGHT                 | B31214<br>P211      | B73201<br>P211            |
| 31-69677             | IOM(M004)<br>(AIMS-L) | EDIU-R<br>M73203  | RIGHT                 | B31211<br>P211      | B73203<br>P211            |
| 31-69678             | IOM(M004)<br>(AIMS-R) | EDIU-R<br>M73203  | RIGHT                 | B31214<br>P211      | B73203<br>P211            |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M004) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the source LRU.

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- (a) Engine Data Interface Unit (R Eng), M73203.  
These are the tasks:  
Engine Data Interface Unit (EDIU) Removal, AMM TASK 73-21-22-000-804-H00,  
Engine Data Interface Unit (EDIU) Installation, AMM TASK 73-21-22-400-808-H00.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the applicable ARINC 629 coupler for the source LRU.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 878. AIMS No Input from ARINC Signal Gateway (right) on System ARINC 629 Bus (right) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69691, 31-69692, 31-69693, 31-69694.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU            | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|-----------------------|----------------|----------------|--------------------|
| 31-69691      | IOM(M004)<br>(AIMS-L) | ASG(R)LSCF<br>P085A15 | RIGHT          | B31211<br>P211 | B31102<br>P211     |
| 31-69692      | IOM(M004)<br>(AIMS-R) | ASG(R)LSCF<br>P085A15 | RIGHT          | B31214<br>P211 | B31102<br>P211     |
| 31-69693      | IOM(M004)<br>(AIMS-L) | ASG(R)RSCF<br>P84A15  | RIGHT          | B31211<br>P211 | B31202<br>P211     |

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| MAINT<br>MESSAGE | AIMS<br>MODULE        | SOURCE<br>LRU        | SYSTEM<br>629 BUS | AIMS<br>COUPLER | SOURCE LRU<br>COUPLER |
|------------------|-----------------------|----------------------|-------------------|-----------------|-----------------------|
| 31-69694         | IOM(M004)<br>(AIMS-R) | ASG(R)RSCF<br>P84A15 | RIGHT             | B31214<br>P211  | B31202<br>P211        |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M004) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable source LRU.
  - (a) ARINC Signal Gateway (Right), LSCF, P085A15 or ARINC Signal Gateway (Right), RSCF, P084A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the applicable ARINC 629 coupler for the source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 879. AIMS No Input from any LRU on System ARINC 629 Bus (center 2) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69701, 31-69702.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) In the list below, find the Coupler, AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT<br>MESSAGE | ARINC 629<br>SYSTEM(C2)<br>COUPLER | AIM<br>MODULE         | ARINC 629<br>(C2)CPLR<br>CONNECTOR | AIMS<br>CONNECTOR |
|------------------|------------------------------------|-----------------------|------------------------------------|-------------------|
| 31-69701         | B31314                             | IOM(M003)<br>(AIMS-L) | DB31314                            | P3-A              |
|                  |                                    |                       | pin 5                              | pin E5            |
|                  |                                    |                       | pin 4                              | pin E6            |
| 31-69702         | B31318                             | IOM(M004)<br>(AIMS-R) | DB31318                            | P3-A              |
|                  |                                    |                       | pin 5                              | pin E5            |
|                  |                                    |                       | pin 4                              | pin E6            |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M004) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable ARINC 629 coupler.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 31-41-25) (WDM 31-41-26):

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- (a) Remove the applicable ARINC 629 coupler. To remove it, do this task: ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801.
- (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between the specified pins of the applicable ARINC 629 coupler connector and the applicable AIMS module connector.
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
  - 3) Re-install the applicable ARINC 629 coupler. To install it, do this task: ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801
- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 880. AIMS No Input from Engine Data Interface Unit on System ARINC 629 Bus (center 2) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69771, 31-69772, 31-69773, 31-69774, 31-69775, 31-69776, 31-69779, 31-69780.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULE           | SOURCE LRU       | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|------------------|----------------|----------------|--------------------|
| 31-69771      | IOM(M003)<br>(AIMS-L) | EDIU-L<br>M73103 | CENTER 2       | B31314<br>P313 | B73104<br>P313     |
| 31-69772      | IOM(M003)<br>(AIMS-R) | EDIU-L<br>M73103 | CENTER 2       | B31318<br>P313 | B73104<br>P313     |
| 31-69773      | IOM(M003)<br>(AIMS-L) | EDIU-L<br>M73103 | CENTER 2       | B31314<br>P313 | B73106<br>P313     |
| 31-69774      | IOM(M003)<br>(AIMS-R) | EDIU-L<br>M73103 | CENTER 2       | B31318<br>P313 | B73106<br>P313     |
| 31-69775      | IOM(M003)<br>(AIMS-L) | EDIU-R<br>M73203 | CENTER 2       | B31314<br>P313 | B73206<br>P313     |
| 31-69776      | IOM(M003)<br>(AIMS-R) | EDIU-R<br>M73203 | CENTER 2       | B31318<br>P313 | B73206<br>P313     |

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| MAINT<br>MESSAGE | AIMS<br>MODULE        | SOURCE<br>LRU    | SYSTEM<br>629 BUS | AIMS<br>COUPLER | SOURCE LRU<br>COUPLER |
|------------------|-----------------------|------------------|-------------------|-----------------|-----------------------|
| 31-69779         | IOM(M003)<br>(AIMS-L) | EDIU-R<br>M73203 | CENTER 2          | B31314<br>P313  | B73204<br>P313        |
| 31-69780         | IOM(M003)<br>(AIMS-R) | EDIU-R<br>M73203 | CENTER 2          | B31318<br>P313  | B73204<br>P313        |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M003) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable source LRU.
- (a) Engine Data Interface Unit (L Eng), M73103 or Engine Data Interface Unit (R Eng), M73203.
- These are the tasks:
- Engine Data Interface Unit (EDIU) Installation, AMM TASK 73-21-22-400-808-H00,  
Engine Data Interface Unit (EDIU) Removal, AMM TASK 73-21-22-000-804-H00.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the applicable ARINC 629 coupler for the source LRU.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 881. AIMS No Input from Mode Control Panel on MCP Input ARINC 429 Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69903, 31-69904, 31-69905, 31-69906.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the Mode Control Panel, AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT MESSAGE | MODE CONTROL PANEL | AIMS MODULE           | MODE CONTROL PANEL CONNECTOR | AIMS CONNECTOR |
|---------------|--------------------|-----------------------|------------------------------|----------------|
| 31-69903      | M22016             | IOM(M008)<br>(AIMS-L) | DM22016A                     | P8-B           |
|               |                    |                       | pin 28                       | pin D2         |
|               |                    |                       | pin 29                       | pin D3         |
|               |                    | IOM(M009)<br>(AIMS-L) | DM22016A                     | P9-B           |
|               |                    |                       | pin 28                       | pin D2         |
|               |                    |                       | pin 29                       | pin D3         |
| 31-69904      | M22016             | IOM(M008)<br>(AIMS-R) | DM22016A                     | P8-B           |
|               |                    |                       | pin 28                       | pin D2         |
|               |                    |                       | pin 29                       | pin D3         |
|               |                    | IOM(M009)<br>(AIMS-R) | DM22016A                     | P9-B           |
|               |                    |                       | pin 28                       | pin D2         |
|               |                    |                       | pin 29                       | pin D3         |
| 31-69905      | M22016             | IOM(M003)<br>(AIMS-L) | DM22016B                     | P3-B           |
|               |                    |                       | pin 28                       | pin C2         |
|               |                    |                       | pin 29                       | pin C3         |
|               |                    | IOM(M004)<br>(AIMS-L) | DM22016B                     | P4-B           |
|               |                    |                       | pin 28                       | pin C2         |
|               |                    |                       | pin 29                       | pin C3         |

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| MAINT<br>MESSAGE | MODE<br>CONTROL<br>PANEL | AIMS<br>MODULE        | MODE CONTROL<br>PANEL<br>CONNECTOR | AIMS<br>CONNECTOR |
|------------------|--------------------------|-----------------------|------------------------------------|-------------------|
| 31-69906         | M22016                   | IOM(M003)<br>(AIMS-R) | DM22016B                           | P3-B              |
|                  |                          |                       | pin 28                             | pin D2            |
|                  |                          |                       | pin 29                             | pin D3            |
|                  |                          | IOM(M004)<br>(AIMS-R) | DM22016B                           | P4-B              |
|                  |                          |                       | pin 28                             | pin D2            |
|                  |                          |                       | pin 29                             | pin D3            |

- (2) Replace the Mode Control Panel.

These are the tasks:

Mode Control Panel Removal, AMM TASK 22-11-02-000-801,

Mode Control Panel Installation, AMM TASK 22-11-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (4) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 22-11-43) (SSM 31-41-03) (SSM 31-41-06):
- (a) Remove the Mode Control Panel. To remove it, do this task: Mode Control Panel Removal, AMM TASK 22-11-02-000-801.
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between the specified pins of the Mode Control Panel connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801

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- 3) Re-install the Mode Control Panel. To install it, do this task: Mode Control Panel Installation, AMM TASK 22-11-02-400-801
- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

**882. AIMS No Input from Cabin File Server or Passenger Inflight Information Computer on ARINC 429 Bus - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69907, 31-69908.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (2) Replace the Audio Video Controller-Digital (AVC-D).

These are the tasks:

Audio Video Controller-Digital (AVC-D) Removal, AMM TASK 44-28-05-000-801,  
Audio Video Controller-Digital (AVC-D) Installation, AMM TASK 44-28-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this check of the AIMS inputs (WDM 23-36-31) (SSM 31-41-03) (SSM 31-41-06):
  - (a) Remove the Audio Video Controller-Digital (AVC-D). To remove it, do this task: Audio Video Controller-Digital (AVC-D) Removal, AMM TASK 44-28-05-000-801

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- (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
- (c) Do a check of the wiring that connects to the applicable AIMS connector D6605 at pins 42 and 43.
- (d) Do a check of the wiring that connects to the applicable AIMS connector D6705 at pins 21 and 22.
- (e) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
  - 3) Re-install the Audio Video Controller-Digital (AVC-D). To install it, do this task: Audio Video Controller-Digital (AVC-D) Installation, AMM TASK 44-28-05-400-801
- (f) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 884. AIMS No Input from HF Communication Transceiver on HF CMC Report ARINC 429 Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69911, 31-69912, 31-69913, 31-69914.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the HF Communication Transceiver, AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT MESSAGE | HF COMM XCVR | AIMS MODULE        | HF COMM XCVR CONNECTOR        | AIMS CONNECTOR           |
|---------------|--------------|--------------------|-------------------------------|--------------------------|
| 31-69911      | M23101 LEFT  | IOM(M009) (AIMS-L) | DM23101AB<br>pin C4<br>pin D4 | P9-A<br>pin A4<br>pin A5 |
| 31-69912      | M23101 LEFT  | IOM(M009) (AIMS-R) | DM23101AB<br>pin C4<br>pin D4 | P9-A<br>pin A4<br>pin A5 |

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| MAINT<br>MESSAGE | HF<br>COMM<br>XCVR | AIMS<br>MODULE        | HF COMM<br>XCVR<br>CONNECTOR  | AIMS<br>CONNECTOR        |
|------------------|--------------------|-----------------------|-------------------------------|--------------------------|
| 31-69913         | M23201<br>RIGHT    | IOM(M004)<br>(AIMS-L) | DM23201AB<br>pin C4<br>pin D4 | P4-A<br>pin A8<br>pin A9 |
| 31-69914         | M23201<br>RIGHT    | IOM(M004)<br>(AIMS-R) | DM23201AB<br>pin C4<br>pin D4 | P4-A<br>pin A8<br>pin A9 |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable HF Communication Transceiver.

These are the tasks:

HF Communication Transceiver Removal, AMM TASK 23-11-05-000-801,  
HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 23-11-11) (WDM 23-11-12) (SSM 31-41-03) (SSM 31-41-06):
  - (a) Remove the applicable HF Communication Transceiver. To remove it, do this task: HF Communication Transceiver Removal, AMM TASK 23-11-05-000-801
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - (c) Do a wiring check between the specified pins of the applicable HF Communication Transceiver connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801

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- 3) Re-install the applicable HF Communication Transceiver. To install it, do this task:  
HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801
- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 885. AIMS No Input from VHF Communication Transceiver on VHF CMC Input ARINC 429 Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69915, 31-69916, 31-69917, 31-69918, 31-69919, 31-69920.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the VHF Communication Transceiver, AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT MESSAGE | VHF COMM XCVR | AIMS MODULE        | VHF COMM XCVR CONNECTOR | AIMS CONNECTOR |
|---------------|---------------|--------------------|-------------------------|----------------|
| 31-69915      | M23103 LEFT   | IOM(M009) (AIMS-L) | DM23103AB               | P9-A           |
|               |               |                    | pin C14                 | pin B10        |
|               |               |                    | pin D14                 | pin B11        |
| 31-69916      | M23103 LEFT   | IOM(M009) (AIMS-R) | DM23103AB               | P9-A           |
|               |               |                    | pin C14                 | pin B6         |
|               |               |                    | pin D14                 | pin B7         |
| 31-69917      | M23203 RIGHT  | IOM(M004) (AIMS-L) | DM23203AB               | P4-A           |
|               |               |                    | pin C14                 | pin B10        |
|               |               |                    | pin D14                 | pin B11        |
| 31-69918      | M23203 RIGHT  | IOM(M004) (AIMS-R) | DM23203AB               | P4-A           |
|               |               |                    | pin C14                 | pin A14        |
|               |               |                    | pin D14                 | pin A15        |
| 31-69919      | M23303 CENTER | IOM(M008) (AIMS-L) | DM23303AB               | P8-A           |
|               |               |                    | pin C14                 | pin A12        |
|               |               |                    | pin D14                 | pin A13        |

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| MAINT MESSAGE | VHF COMM XCVR | AIMS MODULE           | VHF COMM XCVR CONNECTOR | AIMS CONNECTOR |
|---------------|---------------|-----------------------|-------------------------|----------------|
| 31-69920      | M23303 CENTER | IOM(M008)<br>(AIMS-R) | DM23303AB               | P8-A           |
|               |               |                       | pin C14                 | pin A10        |
|               |               |                       | pin D14                 | pin A11        |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable VHF Communication Transceiver.

These are the tasks:

VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801,  
VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 23-12-12) (WDM 23-12-22) (WDM 23-12-32) (SSM 31-41-03) (SSM 31-41-06):
  - (a) Remove the applicable VHF Communication Transceiver. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - (c) Do a wiring check between the specified pins of the applicable VHF Communication Transceiver connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
    - 3) Re-install the applicable VHF Communication Transceiver. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801

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- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

**886. AIMS No Input from Radio Tuning Panel on RTP ARINC 429 Bus 1 - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69921, 31-69922, 31-69923, 31-69924, 31-69925, 31-69926.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the Radio Tuning Panel, AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT<br>MESSAGE | RADIO<br>TUNING<br>PANEL | AIMS<br>MODULE        | RAD TUN<br>PANEL<br>CONNECTOR | AIMS<br>CONNECTOR |
|------------------|--------------------------|-----------------------|-------------------------------|-------------------|
| 31-69921         | M23005<br>LEFT           | IOM(M004)<br>(AIMS-L) | DM23005                       | P4-A              |
|                  |                          |                       | pin 2                         | pin A10           |
|                  |                          |                       | pin 3                         | pin A11           |
| 31-69922         | M23005<br>LEFT           | IOM(M003)<br>(AIMS-R) | DM23005                       | P3-A              |
|                  |                          |                       | pin 2                         | pin A10           |
|                  |                          |                       | pin 3                         | pin A11           |
| 31-69923         | M23006<br>RIGHT          | IOM(M003)<br>(AIMS-L) | DM23006                       | P3-A              |
|                  |                          |                       | pin 2                         | pin A10           |
|                  |                          |                       | pin 3                         | pin A11           |
| 31-69924         | M23006<br>RIGHT          | IOM(M004)<br>(AIMS-R) | DM23006                       | P4-A              |
|                  |                          |                       | pin 2                         | pin A10           |
|                  |                          |                       | pin 3                         | pin A11           |
| 31-69925         | M23007<br>CENTER         | IOM(M008)<br>(AIMS-L) | DM23007                       | P8-A              |
|                  |                          |                       | pin 2                         | pin A4            |
|                  |                          |                       | pin 3                         | pin A5            |

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| MAINT<br>MESSAGE | RADIO<br>TUNING<br>PANEL | AIMS<br>MODULE        | RAD TUN<br>PANEL<br>CONNECTOR     | AIMS<br>CONNECTOR                |
|------------------|--------------------------|-----------------------|-----------------------------------|----------------------------------|
| 31-69926         | M23007<br>CENTER         | IOM(M008)<br>(AIMS-R) | DM23007<br><br>pin 2<br><br>pin 3 | P8-A<br><br>pin A4<br><br>pin A5 |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable Radio Tuning Panel.

These are the tasks:

Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801,  
Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 23-12-11) (WDM 23-12-21) (WDM 23-12-31) (SSM 31-41-03) (SSM 31-41-06):
  - (a) Remove the applicable Radio Tuning Panel. To remove it, do this task: Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - (c) Do a wiring check between the specified pins of the applicable Radio Tuning Panel connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
    - 3) Re-install the applicable Radio Tuning Panel. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801

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- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 887. AIMS Input from Satellite Data Unit (Left) Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69927, 31-69928, 31-69931, 31-69932.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the AIMS module, connectors, and pin numbers for the applicable maintenance message.

| MAINT<br>MESSAGE | AIMS<br>MODULE        | SATELLITE<br>DATA UNIT<br>CONNECTOR | AIMS<br>MODULE<br>CONNECTOR |
|------------------|-----------------------|-------------------------------------|-----------------------------|
| 31-69927         | IOM(M003)<br>(AIMS-L) | DM23106AB                           | P3-A                        |
|                  |                       | pin E4                              | pin A12                     |
|                  |                       | pin F4                              | pin A13                     |
| 31-69928         | IOM(M004)<br>(AIMS-R) | DM23106AB                           | P4-A                        |
|                  |                       | pin E4                              | pin B10                     |
|                  |                       | pin F4                              | pin B11                     |
| 31-69931         | IOM(M003)<br>(AIMS-L) | DM23106AB                           | P3-B                        |
|                  |                       | pin J1                              | pin C14                     |
|                  |                       | pin K1                              | pin C15                     |
|                  | IOM(M004)<br>(AIMS-L) | DM23106AB                           | P4-B                        |
|                  |                       | pin J1                              | pin C14                     |
|                  |                       | pin K1                              | pin C15                     |
| 31-69932         | IOM(M008)<br>(AIMS-R) | DM23106AB                           | P8-B                        |
|                  |                       | pin J1                              | pin D14                     |
|                  |                       | pin K1                              | pin D15                     |
|                  | IOM(M009)<br>(AIMS-R) | DM23106AB                           | P9-B                        |
|                  |                       | pin J1                              | pin D14                     |
|                  |                       | pin K1                              | pin D15                     |

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- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the maintenance message shows on the ground test display, then continue.
- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left satellite data unit, M23106.

These are the tasks:

Satellite Data Unit Removal, AMM TASK 23-15-10-000-801,  
Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 23-15-15) (SSM 31-41-03, 31-41-06):
  - (a) Remove the left satellite data unit, M23106. To remove it, do this task: Satellite Data Unit Removal, AMM TASK 23-15-10-000-801
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - (c) Do a wiring check between the specified pins of the left satellite data unit connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
    - 3) Re-install the left satellite data unit, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801
  - (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 888. AIMS No Input from Window Heat Ctrl Unit on Window Heat System Output ARINC 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69935, 31-69936, 31-69937, 31-69938.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

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- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the Window Heat Ctrl Unit, AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT MESSAGE | WIND HEAT CTRL UNIT | AIMS MODULE           | WIND HEAT CTRL UNIT CONNECTOR | AIMS CONNECTOR |
|---------------|---------------------|-----------------------|-------------------------------|----------------|
| 31-69935      | M30101<br>RIGHT     | IOM(M009)<br>(AIMS-L) | DM30101AB                     | P9-A           |
|               |                     |                       | pin 28                        | pin A13        |
|               |                     |                       | pin 29                        | pin A12        |
| 31-69936      | M30101<br>RIGHT     | IOM(M009)<br>(AIMS-R) | DM30101AB                     | P9-A           |
|               |                     |                       | pin 28                        | pin A12        |
|               |                     |                       | pin 29                        | pin A13        |
| 31-69937      | M30201<br>LEFT      | IOM(M004)<br>(AIMS-L) | DM30201AB                     | P4-A           |
|               |                     |                       | pin 28                        | pin A13        |
|               |                     |                       | pin 29                        | pin A12        |
| 31-69938      | M30201<br>LEFT      | IOM(M004)<br>(AIMS-R) | DM30201AB                     | P4-A           |
|               |                     |                       | pin 28                        | pin A12        |
|               |                     |                       | pin 29                        | pin A13        |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (3) Replace the applicable Window Heat Ctrl Unit.

These are the tasks:

Window Heat Control Unit Removal, AMM TASK 30-41-01-000-801,

Window Heat Control Unit Installation, AMM TASK 30-41-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

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Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 30-41-13) (SSM 31-41-03) (SSM 31-41-06):
  - (a) Remove the applicable Window Heat Ctrl Unit. To remove it, do this task: Window Heat Control Unit Removal, AMM TASK 30-41-01-000-801
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - (c) Do a wiring check between the specified pins of the applicable Window Heat Ctrl Unit connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
    - 3) Re-install the applicable Window Heat Ctrl Unit. To install it, do this task: Window Heat Control Unit Installation, AMM TASK 30-41-01-400-801
  - (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 889. AIMS No Input from Clock on Clock Data ARINC 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69939, 31-69940.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the AIMS module, connector and pin numbers for the applicable maintenance message.

Table 201/31-42-00-993-803

| MAINT<br>MESSAGE | CLOCK | AIMS<br>MODULE        | AIMS<br>CONNECTOR       | AIMS<br>CONNECTOR         |
|------------------|-------|-----------------------|-------------------------|---------------------------|
| 31-69939         | CAPT  | IOM(M003)<br>(AIMS-L) | D6618<br>pin 4<br>pin 5 | D6618<br>pin 58<br>pin 34 |

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Table 201/31-42-00-993-803 (Continued)

| MAINT<br>MESSAGE | CLOCK         | AIMS<br>MODULE        | AIMS<br>CONNECTOR       | AIMS<br>CONNECTOR         |
|------------------|---------------|-----------------------|-------------------------|---------------------------|
| 31-69940         | FIRST OFFICER | IOM(M003)<br>(AIMS-R) | D6618<br>pin 4<br>pin 5 | D6618<br>pin 58<br>pin 34 |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M003) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this check of the wiring (WDM 31-25-11) (WDM 31-25-21) (SSM 31-41-03) (SSM 31-41-06):
  - (a) Remove the applicable clock pushbutton, S31100 or S31200 (WDM 31-25-11).
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - (c) Do a wiring check between the specified pins of the applicable clock pushbutton connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
    - 3) Re-install the applicable clock pushbutton, S31100 or S31200 (WDM 31-25-11).
  - (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 890. AIMS No Input from Printer on Printer Output ARINC 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69941, 31-69942.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the Printer, AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT MESSAGE | PRINTER | AIMS MODULE           | PRINTER CONNECTOR | AIMS CONNECTOR |
|---------------|---------|-----------------------|-------------------|----------------|
| 31-69941      | M31004  | IOM(M009)<br>(AIMS-L) | DM31004A          | P9-A           |
|               |         |                       | pin S             | pin B12        |
|               |         |                       | pin T             | pin B13        |
| 31-69942      | M31004  | IOM(M009)<br>(AIMS-R) | DM31004A          | P9-A           |
|               |         |                       | pin S             | pin B12        |
|               |         |                       | pin T             | pin B13        |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the Printer. These are the tasks:
  - Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801
  - Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable AIMS module. These are the tasks:
  - Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring: (WDM 31-33-11) (SSM 31-41-03) (SSM 31-41-06)
  - (a) Remove the Printer. To remove it, do this task: Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801

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- (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - (c) Do a wiring check between the specified pins of the Printer connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
    - 3) Re-install the Printer. To install it, do this task: Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801
  - (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (6) Replace the applicable EU. These are the tasks:
- Electronic Unit Removal, AMM TASK 46-11-03-000-801
  - Electronic Unit Installation, AMM TASK 46-11-03-400-801
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

————— END OF TASK —————

### 892. AIMS No Input from ADF Receiver on ADF Bearing ARINC 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69945, 31-69946, 31-69947, 31-69948.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the ADF Receiver, AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT<br>MESSAGE | ADF<br>RECEIVER | AIMS<br>MODULE        | ADF<br>RECEIVER<br>CONNECTOR        | AIMS<br>CONNECTOR              |
|------------------|-----------------|-----------------------|-------------------------------------|--------------------------------|
| 31-69945         | M34108<br>LEFT  | IOM(M008)<br>(AIMS-L) | DM34108AB<br><br>pin B10<br>pin B11 | P8-B<br><br>pin C10<br>pin C11 |
|                  | #1 BUS          |                       |                                     |                                |

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| MAINT<br>MESSAGE | ADF<br>RECEIVER | AIMS<br>MODULE        | ADF<br>RECEIVER<br>CONNECTOR | AIMS<br>CONNECTOR |
|------------------|-----------------|-----------------------|------------------------------|-------------------|
| 31-69946         | M34108<br>LEFT  | IOM(M009)<br>(AIMS-L) | DM34108AB<br>pin B10         | P9-B<br>pin C10   |
|                  |                 |                       | pin B11                      | pin C11           |
|                  |                 | IOM(M008)<br>(AIMS-R) | DM34108AB<br>pin B13         | P8-B<br>pin C2    |
|                  |                 |                       | pin B14                      | pin C3            |
|                  |                 | #2 BUS                |                              |                   |
|                  |                 | IOM(M009)<br>(AIMS-R) | DM34108AB<br>pin B13         | P9-B<br>pin C2    |
| 31-69947         | M34208<br>RIGHT |                       | pin B14                      | pin C3            |
|                  |                 | IOM(M003)<br>(AIMS-L) | DM34208AB<br>pin B10         | P3-B<br>pin C8    |
|                  |                 |                       | pin B11                      | pin C9            |
|                  |                 | #1 BUS                |                              |                   |
|                  |                 | IOM(M004)<br>(AIMS-L) | DM34208AB<br>pin B10         | P4-B<br>pin C8    |
|                  |                 |                       | pin B11                      | pin C9            |
| 31-69948         | M34208<br>RIGHT | IOM(M003)<br>(AIMS-R) | DM34208AB<br>pin B13         | P3-B<br>pin C10   |
|                  |                 |                       | pin B14                      | pin C11           |
|                  |                 | #2 BUS                |                              |                   |
|                  |                 | IOM(M004)<br>(AIMS-R) | DM34208AB<br>pin B13         | P4-B<br>pin C10   |
|                  |                 |                       | pin B14                      | pin C11           |
|                  |                 |                       |                              |                   |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable ADF Receiver.

These are the tasks:

ADF Receiver Removal, AMM TASK 34-57-01-000-801,

ADF Receiver Installation, AMM TASK 34-57-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable AIMS module.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 34-57-11) (WDM 34-57-21) (SSM 31-41-03) (SSM 31-41-06):
  - (a) Remove the applicable ADF Receiver. To remove it, do this task: ADF Receiver Removal, AMM TASK 34-57-01-000-801
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - (c) Do a wiring check between the specified pins of the applicable ADF Receiver connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
    - 3) Re-install the applicable ADF Receiver. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801
  - (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### 893. AIMS No Input from ATC/Mode S Transponder on ATC XT Coord ARINC 429 Bus - Fault Isolation

##### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69949, 31-69950, 31-69951, 31-69952.

##### **B. Initial Evaluation**

- (1) For the maintenance message 31-69949, if the MAT shows ACTIVE, do the steps that follow:
  - (a) If there are no associated flight deck effects, the message is nuisance and no maintenance action is required.
  - (b) If there are flight deck effects associated with the message, do the Fault Isolation Procedure below.
- (2) For the maintenance messages 31-69950, 31-69951 and 31-69952, if the MAT shows ACTIVE, then do the Fault Isolation Procedure below.
- (3) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the ATC/Mode S Transponder, AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT MESSAGE | ATC MODE S TRNSPNDR            | AIMS MODULE                                        | ATC/MODE S TRNSPNDR CONNECTOR                                      | AIMS1 CONNECTOR                                              | AIMS2 CONNECTOR                                              |
|---------------|--------------------------------|----------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|
| 31-69949      | M34107 LEFT<br>XT#1 BUS        | IOM(M003)<br>(AIMS-L)                              | DM34107AA<br>pin G5<br>pin H5                                      | P3-A<br>pin B6<br>pin B7                                     | J240-B<br>pin A1<br>pin B1                                   |
| 31-69950      | M34107<br>LEFT<br><br>XT#1 BUS | IOM(M009)<br>(AIMS-R)<br><br>IOM(M009)<br>(AIMS-R) | DM34107AA<br>pin G5<br>pin H5<br><br>DM34107AA<br>pin G5<br>pin H5 | P8-A<br>pin B16<br>pin B17<br><br>P9-A<br>pin B16<br>pin B17 | J410-B<br>pin A6<br>pin B6<br><br>J420-B<br>pin A6<br>pin B6 |
| 31-69951      | M34207<br>RIGHT<br>XT#2 BUS    | IOM(M004)<br>(AIMS-L)                              | DM34207AA<br>pin G5<br>pin H5                                      | P4-A<br>pin A6<br>pin A7                                     | J250-A<br>pin A3<br>pin B3                                   |
| 31-69952      | M34207<br>RIGHT<br>XT#2 BUS    | IOM(M003)<br>(AIMS-R)                              | DM34207A<br>pin G5<br>pin H5                                       | P3-A<br>pin B6<br>pin B7                                     | J240-B<br>pin A1<br>pin B1                                   |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable ATC/Mode S Transponder.
- These are the tasks:
- ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801,  
ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable AIMS module.

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These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 34-53-12) (WDM 34-53-22) (SSM 31-41-03) (SSM 31-41-06):
  - (a) Remove the applicable ATC/Mode S Transponder. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - (c) Do a wiring check between the specified pins of the applicable ATC/Mode S Transponder connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
    - 3) Re-install the applicable ATC/Mode S Transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801
  - (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 894. AIMS No Input from ATC/Mode S Transponder on ATC CMC ARINC 429 Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69953, 31-69954, 31-69955, 31-69956.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the steps below:
  - (a) If there are no associated flight deck effects, the message is nuisance and no maintenance action is required.
  - (b) If there are flight deck effects associated with the message, do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the ATC/Mode S Transponder, AIMS module, connectors and pin numbers for the applicable maintenance message.

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| MAINT MESSAGE | ATC MODE S TRNSPNDR        | AIMS MODULE           | ATC/MODE S TRNSPNDR CONNECTOR     | AIMS CONNECTOR                 |
|---------------|----------------------------|-----------------------|-----------------------------------|--------------------------------|
| 31-69953      | M34107<br>LEFT<br>CMC BUS  | IOM(M009)<br>(AIMS-L) | DM34107AB<br><br>pin C6<br>pin D6 | P9-A<br><br>pin B8<br>pin B9   |
| 31-69954      | M34107<br>LEFT<br>CMC BUS  | IOM(M009)<br>(AIMS-R) | DM34107AB<br><br>pin C6<br>pin D6 | P9-A<br><br>pin A10<br>pin A11 |
| 31-69955      | M34207<br>RIGHT<br>CMC BUS | IOM(M004)<br>(AIMS-L) | DM34207AB<br><br>pin C6<br>pin D6 | P4-A<br><br>pin A4<br>pin A5   |
| 31-69956      | M34207<br>RIGHT<br>CMC BUS | IOM(M004)<br>(AIMS-R) | DM34207AB<br><br>pin C6<br>pin D6 | P4-A<br><br>pin A4<br>pin A5   |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable ATC/Mode S Transponder.

These are the tasks:

ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801,  
ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 34-53-12) (WDM 34-53-22) (SSM 31-41-03) (SSM 31-41-06):
  - (a) Remove the applicable ATC/Mode S Transponder. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801

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- (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
- (c) Do a wiring check between the specified pins of the applicable ATC/Mode S Transponder connector and the applicable AIMS module connector.
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
  - 3) Re-install the applicable ATC/Mode S Transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801
- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 895. AIMS No Input from DME Interrogator on DME Distance Data ARINC 429 Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69957, 31-69958, 31-69959, 31-69960.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the DME Interrogator, AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT<br>MESSAGE | DME<br>INTGR   | AIMS<br>MODULE        | DME<br>INTGR<br>CONNECTOR | AIMS<br>CONNECTOR |
|------------------|----------------|-----------------------|---------------------------|-------------------|
| 31-69957         | M34109<br>LEFT | IOM(M008)<br>(AIMS-L) | DM34109AB                 | P8-B              |
|                  |                |                       | pin G1                    | pin C12           |
|                  |                | IOM(M009)<br>(AIMS-L) | pin H1                    | pin C13           |
|                  |                |                       | DM34109AB                 | P9-B              |
| 31-69958         | M34109<br>LEFT | IOM(M008)<br>(AIMS-R) | pin G1                    | pin C12           |
|                  |                |                       | pin H1                    | pin C13           |
|                  |                |                       | DM34109AB                 | P8-B              |
|                  |                |                       | pin G3                    | pin C8            |
|                  |                |                       | pin H3                    | pin C9            |

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| MAINT<br>MESSAGE | DME<br>INTGR    | AIMS<br>MODULE        | DME<br>INTGR<br>CONNECTOR | AIMS<br>CONNECTOR |
|------------------|-----------------|-----------------------|---------------------------|-------------------|
| 31-69959         | M34209<br>RIGHT | IOM(M009)<br>(AIMS-R) | DM34109AB                 | P9-B              |
|                  |                 |                       | pin G3                    | pin C8            |
|                  |                 |                       | pin H3                    | pin C9            |
|                  |                 | IOM(M003)<br>(AIMS-L) | DM34209AB                 | P3-B              |
|                  |                 |                       | pin G1                    | pin C4            |
|                  |                 |                       | pin H1                    | pin C5            |
| 31-69960         | M34209<br>RIGHT | IOM(M004)<br>(AIMS-L) | DM34209AB                 | P4-B              |
|                  |                 |                       | pin G1                    | pin C4            |
|                  |                 |                       | pin H1                    | pin C5            |
|                  |                 | IOM(M003)<br>(AIMS-R) | DM34209AB                 | P3-B              |
|                  |                 |                       | pin G3                    | pin C4            |
|                  |                 |                       | pin H3                    | pin C5            |
|                  |                 | IOM(M004) (AIMS-R)    | DM34209AB                 | P4-B              |
|                  |                 |                       | pin G3                    | pin C4            |
|                  |                 |                       | pin H3                    | pin C5            |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable DME Interrogator.

These are the tasks:

DME Interrogator Removal, AMM TASK 34-55-01-000-801,  
DME Interrogator Installation, AMM TASK 34-55-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (5) Do this check of the wiring (WDM 34-55-11) (WDM 34-55-21) (SSM 31-41-03) (SSM 31-41-06):
- (a) Remove the applicable DME Interrogator. To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - (c) Do a wiring check between the specified pins of the applicable DME Interrogator connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
    - 3) Re-install the applicable DME Interrogator. To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801
  - (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**897. AIMS No Input from Ground Proximity Warning Computer on GPWC CMC Input ARINC 429 Bus - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-69965, 31-69966.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the Ground Proximity Warning Computer, AIMS module, connectors and pin numbers for the applicable maintenance message.

| <b>MAINT<br/>MESSAGE</b> | <b>GROUND<br/>PROXIMITY<br/>COMPUTER</b> | <b>AIMS<br/>MODULE</b> | <b>GND PROX<br/>COMPUTER<br/>CONNECTOR</b> | <b>AIMS<br/>CONNECTOR</b> |
|--------------------------|------------------------------------------|------------------------|--------------------------------------------|---------------------------|
| 31-69965                 | M34004                                   | IOM(M003)<br>(AIMS-L)  | DM34004AB                                  | P3-B                      |
|                          |                                          |                        | pin C1                                     | pin D4                    |
|                          |                                          | IOM(M004)<br>(AIMS-L)  | pin D1                                     | pin D5                    |
|                          |                                          |                        | DM34004AB                                  | P4-B                      |
|                          |                                          |                        | pin C1                                     | pin D4                    |
|                          |                                          |                        | pin D1                                     | pin D5                    |

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| MAINT<br>MESSAGE | GROUND<br>PROXIMITY<br>COMPUTER | AIMS<br>MODULE        | GND PROX<br>COMPUTER<br>CONNECTOR | AIMS<br>CONNECTOR |
|------------------|---------------------------------|-----------------------|-----------------------------------|-------------------|
| 31-69966         | M34004                          | IOM(M003)<br>(AIMS-R) | DM34004AB                         | P3-B              |
|                  |                                 |                       | pin C1                            | pin D4            |
|                  |                                 |                       | pin D1                            | pin D5            |
|                  |                                 | IOM(M004)<br>(AIMS-R) | DM34004AB                         | P4-B              |
|                  |                                 |                       | pin C1                            | pin D4            |
|                  |                                 |                       | pin D1                            | pin D5            |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the Ground Proximity Warning Computer.

These are the tasks:

Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801,  
Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 34-46-12) (SSM 31-41-03) (SSM 31-41-06):
  - (a) Remove the Ground Proximity Warning Computer. To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - (c) Do a wiring check between the specified pins of the Ground Proximity Computer connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801

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- 3) Re-install the Ground Proximity Warning Computer. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801
- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 899. AIMS No Input from Radio Altimeter Transceiver on RA Altitude #1 ARINC 429 Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69973, 31-69974, 31-69975, 31-69976, 31-69977, 31-69978.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the Radio Altimeter Transceiver, AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT MESSAGE | RADIO ALTITUDE XCVR | AIMS MODULE           | RADIO ALT XCVR CONNECTOR | AIMS CONNECTOR |
|---------------|---------------------|-----------------------|--------------------------|----------------|
| 31-69973      | M34112<br>LEFT      | IOM(M003)<br>(AIMS-L) | DM34112AB                | P3-B           |
|               |                     |                       | pin B2                   | pin C12        |
|               |                     |                       | pin B3                   | pin C13        |
|               |                     | IOM(M004)<br>(AIMS-L) | DM34112AB                | P4-B           |
|               |                     |                       | pin B2                   | pin C12        |
|               |                     |                       | pin B3                   | pin C13        |
| 31-69974      | M34112<br>LEFT      | IOM(M003)<br>(AIMS-R) | DM34112AB                | P3-B           |
|               |                     |                       | pin B2                   | pin C8         |
|               |                     |                       | pin B3                   | pin C9         |
|               |                     | IOM(M004)<br>(AIMS-R) | DM34112AB                | P4-B           |
|               |                     |                       | pin B2                   | pin C8         |
|               |                     |                       | pin B3                   | pin C9         |
| 31-69975      | M34312<br>CENTER    | IOM(M004)<br>(AIMS-L) | DM34312AB                | P4-B           |
|               |                     |                       | pin B2                   | pin C10        |
|               |                     |                       | pin B3                   | pin C11        |

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| <b>MAINT<br/>MESSAGE</b> | <b>RADIO<br/>ALTITUDE<br/>XCVR</b> | <b>AIMS<br/>MODULE</b> | <b>RADIO ALT<br/>XCVR<br/>CONNECTOR</b> | <b>AIMS<br/>CONNECTOR</b> |
|--------------------------|------------------------------------|------------------------|-----------------------------------------|---------------------------|
| 31-69976                 | M34312<br>CENTER                   | IOM(M003)<br>(AIMS-R)  | DM34312AB                               | P3-B                      |
|                          |                                    |                        | pin B2                                  | pin C2                    |
|                          |                                    |                        | pin B3                                  | pin C3                    |
|                          |                                    | IOM(M004)<br>(AIMS-R)  | DM34312AB                               | P4-B                      |
|                          |                                    |                        | pin B2                                  | pin C2                    |
|                          |                                    |                        | pin B3                                  | pin C3                    |
| 31-69977                 | M34212<br>RIGHT                    | IOM(M008)<br>(AIMS-L)  | DM34212AB                               | P8-B                      |
|                          |                                    |                        | pin B2                                  | pin C2                    |
|                          |                                    |                        | pin B3                                  | pin C3                    |
|                          |                                    | IOM(M009)<br>(AIMS-L)  | DM34212AB                               | P9-B                      |
|                          |                                    |                        | pin B2                                  | pin C2                    |
|                          |                                    |                        | pin B3                                  | pin C3                    |
| 31-69978                 | M34212<br>RIGHT                    | IOM(M008)<br>(AIMS-R)  | DM34212AB                               | P8-B                      |
|                          |                                    |                        | pin B2                                  | pin D10                   |
|                          |                                    |                        | pin B3                                  | pin D11                   |
|                          |                                    | IOM(M009)<br>(AIMS-R)  | DM34212AB                               | P9-B                      |
|                          |                                    |                        | pin B2                                  | pin D10                   |
|                          |                                    |                        | pin B3                                  | pin D11                   |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable Radio Altitude Transceiver.

These are the tasks:

Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801,  
Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 34-33-12) (WDM 34-33-22) (WDM 34-33-32) (SSM 31-41-03) (SSM 31-41-06):
  - (a) Remove the applicable Radio Altimeter Transceiver. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - (c) Do a wiring check between the specified pins of the applicable Radio Altimeter Transceiver connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
    - 3) Re-install the applicable Radio Altimeter Transceiver. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801
  - (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 900. AIMS No Input on Standby Attitude CMC ARINC 429 Bus - Fault Isolation

##### A. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### B. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) For an AIMS schematic overview see 31-61 TASK SUPPORT Figure 301.
- (2) In the list below, find the Integrated Standby Flight Display, AIMS module, connectors and pin numbers for the applicable maintenance message.

Table 202/31-42-00-993-805

| MAINT<br>MESSAGE | INTEGRATED<br>STANDBY FLIGHT<br>DISPLAY | AIMS<br>MODULE        | INTEGRATED<br>STANDBY FLIGHT<br>DISPLAY<br>CONNECTOR | AIMS<br>CONNECTOR         |
|------------------|-----------------------------------------|-----------------------|------------------------------------------------------|---------------------------|
| 31-69979         | N34004                                  | IOM(M008)<br>(AIMS-L) | DN34004<br>pin N<br>pin M                            | J410B<br>pin A3<br>pin B3 |

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Table 202/31-42-00-993-805 (Continued)

| MAINT<br>MESSAGE | INTEGRATED<br>STANDBY FLIGHT<br>DISPLAY | AIMS<br>MODULE        | INTEGRATED<br>STANDBY FLIGHT<br>DISPLAY<br>CONNECTOR | AIMS<br>CONNECTOR         |
|------------------|-----------------------------------------|-----------------------|------------------------------------------------------|---------------------------|
| 31-69980         | N34004                                  | IOM(M008)<br>(AIMS-R) | DN34004<br>pin N<br>pin M                            | J410B<br>pin A2<br>pin B2 |

- (3) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M008) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (4) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the Integrated Standby Flight Display (ISFD). To replace the ISFD,
- These are the tasks:
- Integrated Standby Flight Display Removal, AMM TASK 34-24-02-000-801,  
Integrated Standby Flight Display Installation, AMM TASK 34-24-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this check of the wiring (WDM 34-24-15) (SSM 31-41-03) (SSM 31-41-06):
- (a) Remove the Integrated Standby Flight Display. To remove it, do this task: Integrated Standby Flight Display Removal, AMM TASK 34-24-02-000-801
- (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
- (c) Do a wiring check between the specified pins of the Integrated Standby Flight Display connector and the applicable AIMS module connector.
- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
  - 3) Re-install the Integrated Standby Flight Display. To install it, do this task: Integrated Standby Flight Display Installation, AMM TASK 34-24-02-400-801

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## 31-42 TASK 900

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- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 901. AIMS No Input on Standby Altitude CMC ARINC 429 Bus - Fault Isolation

##### A. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### B. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the Standby Altimeter, AIMS module, connectors and pin numbers for the applicable maintenance message.

Table 203/31-42-00-993-801

| MAINT MESSAGE | STANDBY ALTIMETER INDICATOR | AIMS MODULE           | STANDBY ALTIMETER CONNECTOR | AIMS CONNECTOR |
|---------------|-----------------------------|-----------------------|-----------------------------|----------------|
| 31-69981      | N34003                      | IOM(M008)<br>(AIMS-L) | DN34003                     | P8-A           |
|               |                             |                       | pin 14                      | pin B8         |
|               |                             |                       | pin 15                      | pin B9         |
| 31-69982      | N34003                      | IOM(M008)<br>(AIMS-R) | DN34003                     | P8-A           |
|               |                             |                       | pin 14                      | pin A14        |
|               |                             |                       | pin 15                      | pin A15        |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M008) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the Integrated Standby Flight Display (ISFD). To replace the ISFD,

These are the tasks:

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Integrated Standby Flight Display Removal, AMM TASK 34-24-02-000-801,  
Integrated Standby Flight Display Installation, AMM TASK 34-24-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

————— **END OF TASK** —————

### 902. AIMS No Input on Standby Airspeed CMC ARINC 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-69983.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the Standby Airspeed Indicator, AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT<br>MESSAGE | STANDBY<br>AIRSPEED<br>INDICATOR | AIMS<br>MODULE        | STANDBY<br>INDICATOR<br>CONNECTOR | AIMS<br>CONNECTOR |
|------------------|----------------------------------|-----------------------|-----------------------------------|-------------------|
| 31-69983         | N34002                           | IOM(M008)<br>(AIMS-L) | DN34002                           | P8-A              |
|                  |                                  |                       | pin 14                            | pin A14           |
|                  |                                  |                       | pin 15                            | pin A15           |
| 31-69984         | N34002                           | IOM(M008)<br>(AIMS-R) | DN34002                           | P8-A              |
|                  |                                  |                       | pin 14                            | pin A12           |
|                  |                                  |                       | pin 15                            | pin A13           |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M008) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the Integrated Standby Flight Display (ISFD). To replace the ISFD, These are the tasks:  
Integrated Standby Flight Display Removal, AMM TASK 34-24-02-000-801,  
Integrated Standby Flight Display Installation, AMM TASK 34-24-02-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 34-13-11) (SSM 31-41-03) (SSM 31-41-06):
  - (a) Remove the Integrated Standby Flight Display (ISFD). To remove it, do this task: Integrated Standby Flight Display Removal, AMM TASK 34-24-02-000-801
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - (c) Do a wiring check between the specified pins of the Integrated Standby Flight Display (ISFD) connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
    - 3) Re-install the Integrated Standby Flight Display (ISFD). To install it, do this task: Integrated Standby Flight Display Installation, AMM TASK 34-24-02-400-801
  - (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 903. AIMS No Input from TCAS Computer on TCAS TA/RA ARINC 429 Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69985, 31-69986, 31-69987, 31-69988.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the TCAS Computer, AIMS module, connectors and pin numbers for the applicable maintenance message.

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| MAINT MESSAGE | TCAS COMPUTER                 | AIMS MODULE           | TCAS COMPUTER CONNECTOR | AIMS CONNECTOR |
|---------------|-------------------------------|-----------------------|-------------------------|----------------|
| 31-69985      | M34006<br><br>TA/RA<br>#1 BUS | IOM(M008)<br>(AIMS-L) | DM34006AE               | P8-B           |
|               |                               |                       | pin C7                  | pin C14        |
|               |                               |                       | pin D7                  | pin C15        |
|               |                               | IOM(M009)<br>(AIMS-L) | DM34006AE               | P9-B           |
|               |                               |                       | pin C7                  | pin C14        |
|               |                               |                       | pin D7                  | pin C15        |
| 31-69986      | M34006<br>TA/RA<br>#1 BUS     | IOM(M004)<br>(AIMS-R) | DM34006AE               | P4-A           |
|               |                               |                       | pin C7                  | pin B6         |
|               |                               |                       | pin D7                  | pin B7         |
| 31-69987      | M34006<br>TA/RA<br>#2 BUS     | IOM(M004)<br>(AIMS-L) | DM34006AE               | P4-A           |
|               |                               |                       | pin G7                  | pin B14        |
|               |                               |                       | pin H7                  | pin B15        |
| 31-69988      | M34006<br><br>TA/RA<br>#2 BUS | IOM(M008)<br>(AIMS-R) | DM34006AE               | P8-B           |
|               |                               |                       | pin G7                  | pin C14        |
|               |                               |                       | pin H7                  | pin C15        |
|               |                               | IOM(M009)<br>(AIMS-R) | DM34006AE               | P9-B           |
|               |                               |                       | pin G7                  | pin C14        |
|               |                               |                       | pin H7                  | pin C15        |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the TCAS Computer.
- These are the tasks:
- TCAS Computer Removal, AMM TASK 34-45-01-000-801,  
TCAS Computer Installation, AMM TASK 34-45-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable AIMS module.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

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Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 34-45-13) (SSM 31-41-03) (SSM 31-41-06):
  - (a) Remove the TCAS Computer. To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - (c) Do a wiring check between the specified pins of the TCAS Computer connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
    - 3) Re-install the TCAS Computer. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801
  - (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 904. AIMS No Input from TCAS Computer on TCAS CMCS ARINC 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69989, 31-69990.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the TCAS Computer, AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT<br>MESSAGE | TCAS<br>COMPUTER | AIMS<br>MODULE        | TCAS<br>COMPUTER<br>CONNECTOR               | AIMS<br>CONNECTOR                      |
|------------------|------------------|-----------------------|---------------------------------------------|----------------------------------------|
| 31-69989         | M34006           | IOM(M009)<br>(AIMS-L) | DM34006AF<br>pin E6 pin F6<br>pin E6 pin F6 | P9-A<br>pin A8 pin A9<br>pin A8 pin A9 |
|                  | CMS BUS          |                       |                                             |                                        |

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| MAINT<br>MESSAGE | TCAS<br>COMPUTER | AIMS<br>MODULE        | TCAS<br>COMPUTER<br>CONNECTOR | AIMS<br>CONNECTOR     |
|------------------|------------------|-----------------------|-------------------------------|-----------------------|
| 31-69990         | M34006           | IOM(M009)<br>(AIMS-R) | DM34006AF<br>pin E6 pin F     | P9-A<br>pin A8 pin A9 |
|                  | CMS BUS          |                       | pin E6 pin F6                 | pin A8 pin A9         |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the TCAS Computer.

These are the tasks:

TCAS Computer Removal, AMM TASK 34-45-01-000-801,  
TCAS Computer Installation, AMM TASK 34-45-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 34-45-13) (SSM 31-41-03) (SSM 31-41-06):
  - (a) Remove the TCAS Computer. To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - (c) Do a wiring check between the specified pins of the TCAS Computer connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
    - 3) Re-install the TCAS Computer. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801

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- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 905. AIMS No Input from VOR/MB Receiver on VOR Omnibearing ARINC 429 Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69991, 31-69992, 31-69993, 31-69994.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the VOR/MB Receiver, AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT MESSAGE | VOR/MB RECEIVER | AIMS MODULE           | VOR/MB RECEIVER CONNECTOR | AIMS CONNECTOR |
|---------------|-----------------|-----------------------|---------------------------|----------------|
| 31-69991      | M34115<br>LEFT  | IOM(M008)<br>(AIMS-L) | DM34115AB                 | P8-B           |
|               |                 |                       | pin A4                    | pin D14        |
|               | BUS #1          |                       | pin B4                    | pin D15        |
|               |                 |                       |                           |                |
| 31-69992      | M34115<br>LEFT  | IOM(M009)<br>(AIMS-L) | DM34115AB                 | P9-B           |
|               |                 |                       | pin A4                    | pin D14        |
|               | BUS #2          |                       | pin B4                    | pin D15        |
|               |                 |                       |                           |                |
| 31-69993      | M34215<br>RIGHT | IOM(M008)<br>(AIMS-R) | DM34115AB                 | P8-B           |
|               |                 |                       | pin B13                   | pin D4         |
|               | BUS #1          |                       | pin C13                   | pin D5         |
|               |                 |                       |                           |                |
| 31-69994      | M34215<br>RIGHT | IOM(M009)<br>(AIMS-R) | DM34115AB                 | P9-B           |
|               |                 |                       | pin B13                   | pin D4         |
|               | BUS #2          |                       | pin C13                   | pin D5         |
|               |                 |                       |                           |                |
| 31-69995      | M34215<br>RIGHT | IOM(M003)<br>(AIMS-L) | DM34115AB                 | P3-B           |
|               |                 |                       | pin A4                    | pin D10        |
|               | BUS #1          |                       | pin B4                    | pin D11        |
|               |                 |                       |                           |                |

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| MAINT<br>MESSAGE | VOR/MB<br>RECEIVER | AIMS<br>MODULE        | VOR/MB<br>RECEIVER<br>CONNECTOR | AIMS<br>CONNECTOR          |
|------------------|--------------------|-----------------------|---------------------------------|----------------------------|
| 31-69994         |                    | IOM(M004)<br>(AIMS-L) | DM34115AB<br>pin A4<br>pin B4   | P4-B<br>pin D10<br>pin D11 |
|                  |                    | IOM(M003)<br>(AIMS-R) | DM34115AB<br>pin B13<br>pin C13 | P3-B<br>pin D14<br>pin D15 |
|                  |                    |                       |                                 |                            |
|                  | M34215<br>RIGHT    |                       |                                 |                            |
|                  |                    |                       |                                 |                            |
|                  |                    |                       |                                 |                            |
|                  | BUS #2             |                       |                                 |                            |
|                  |                    | IOM(M004)<br>(AIMS-R) | DM34115AB<br>pin B13<br>pin C13 | P4-B<br>pin D14<br>pin D15 |
|                  |                    |                       |                                 |                            |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable VOR/MB Receiver.

These are the tasks:

VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801,  
VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 34-51-11) (SSM 31-41-03) (SSM 31-41-06):
  - (a) Remove the applicable VOR/MB Receiver. To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801

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- (c) Do a wiring check between the specified pins of the applicable VOR/MB Receiver connector and the applicable AIMS module connector.
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
  - 3) Re-install the applicable VOR/MB Receiver. To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801
- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 906. AIMS No Input from WXR Transceiver or Radar Processor on WXR Maint. ARINC 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69995, 31-69996, 31-69997, 31-69998.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the WXR Transceiver, AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT<br>MESSAGE | WEATHER<br>XCVR | AIMS<br>MODULE        | WEATHER<br>XCVR<br>CONNECTOR | AIMS<br>CONNECTOR |
|------------------|-----------------|-----------------------|------------------------------|-------------------|
| 31-69995         | M34116<br>LEFT  | IOM(M009)<br>(AIMS-L) | DM34116AB                    | P9-A              |
|                  |                 |                       | pin J1                       | pin A14           |
|                  |                 |                       | pin K1                       | pin A15           |
| 31-69996         | M34116<br>LEFT  | IOM(M009)<br>(AIMS-R) | DM34116AB                    | P9-A              |
|                  |                 |                       | pin J1                       | pin A14           |
|                  |                 |                       | pin K1                       | pin A15           |
| 31-69997         | M34216<br>RIGHT | IOM(M004)<br>(AIMS-L) | DM34116AB                    | P4-A              |
|                  |                 |                       | pin J1                       | pin B8            |
|                  |                 |                       | pin K1                       | pin B9            |

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| MAINT<br>MESSAGE | WEATHER<br>XCVR | AIMS<br>MODULE        | WEATHER<br>XCVR<br>CONNECTOR  | AIMS<br>CONNECTOR        |
|------------------|-----------------|-----------------------|-------------------------------|--------------------------|
| 31-69998         | M34216<br>RIGHT | IOM(M004)<br>(AIMS-R) | DM34116AB<br>pin J1<br>pin K1 | P4-A<br>pin B8<br>pin B9 |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable WXR Transceiver.

These are the tasks:

WXR Transceiver Removal, AMM TASK 34-43-02-000-801,  
WXR Transceiver Installation, AMM TASK 34-43-02-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 34-43-11) (SSM 31-41-03) (SSM 31-41-06):
  - (a) Remove the applicable WXR Transceiver. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - (c) Do a wiring check between the specified pins of the applicable WXR Transceiver connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
    - 3) Re-install the applicable WXR Transceiver. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801

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- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 908. AIMS No Output on Flight Controls ARINC 629 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-68811, 31-68832.

#### B. Description

- (1) L (R) AIMS has no output on Flight Controls ARINC 629 Bus L (R).

#### C. Possible Causes

- (1) IOM L (R), M008 (M009, M003, M004)
- (2) AIMS module
- (3) Wiring

#### D. Circuit Breakers

- (1) These are the primary circuit breakers related to the fault:

##### Left Power Management Panel, P110

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>     |
|------------|------------|---------------|-----------------|
| J          | 23         | C24618        | P210 PSU B ALTN |
| J          | 24         | C24617        | P110 PSU A PRI  |
| P          | 15         | C24655        | P110 PSU B PRI  |
| P          | 16         | C24657        | P210 PSU A ALTN |

##### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

##### Right Power Management Panel, P210

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>     |
|------------|------------|---------------|-----------------|
| J          | 3          | C24624        | P110 PSU B ALTN |
| J          | 4          | C24625        | P210 PSU B PRI  |
| J          | 5          | C24656        | P210 PSU A PRI  |
| J          | 6          | C24658        | P110 PSU A ALTN |

##### Standby Power Management Panel, P310

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>     |
|------------|------------|---------------|-----------------|
| B          | 4          | C24635        | P310 PSU B PRI  |
| C          | 7          | C24641        | P310 PSU A PRI  |
| J          | 5          | C24640        | P310 PSU B ALTN |

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### Standby Power Management Panel, P310

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>     |
|------------|------------|---------------|-----------------|
| K          | 5          | C24633        | P310 PSU A ALTN |

#### E. Related Data

- (1) WDM 31-41-25
- (2) WDM 31-41-26

#### F. Initial Evaluation

- (1) If the MAT shows ACTIVE for the Maintenance Message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the Maintenance Message, then there was an intermittent fault.

#### G. Fault Isolation Procedure

- (1) In the list below, find the coupler, AIMS module, connectors and pin numbers for the applicable Maintenance Message.

| MAINT<br>MESSAGE | ARINC 629<br>SYSTEM<br>COUPLER | AIMS<br>MODULE        | ARINC 629<br>COUPLER<br>CONNECTOR | AIMS<br>CONNECTOR          |
|------------------|--------------------------------|-----------------------|-----------------------------------|----------------------------|
| 31-68811         | B31107                         | IOM(M009) (AIMS-L)    | DB31107<br>pin 2<br>pin 1         | J420-A<br>pin G1<br>pin G2 |
| 31-68811         | B31108<br>LEFT                 | IOM(M008)<br>(AIMS-L) | DB31108<br>pin 2<br>pin 1         | J420-A<br>pin G1<br>pin G2 |
| 31-68832         | B31208<br>RIGHT                | IOM(M004)<br>(AIMS-R) | DB31208<br>pin 2<br>pin 1         | J250-A<br>pin G1<br>pin G2 |
| 31-68832         | B31209<br>RIGHT                | IOM(M003)<br>(AIMS-R) | DB31209<br>pin 2<br>pin 1         | J240-A<br>pin G1<br>pin G2 |

- (2) Do the applicable ground test on the MAT: 31 AIMS - L (R) AIMS, System Test, IOM (M00X) in L (R) AIMS Module Reset.
  - (a) If the Maintenance Message shows on the ground test display, then do the Fault Isolation Procedure below.
- (3) Replace the applicable ARINC 629 Coupler. These are the tasks:
  - ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801
  - ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801
- (4) Replace the applicable AIMS module. These are the tasks:
  - Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801

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- (5) Do this check of the wiring (WDM 31-41-25) (WDM 31-41-26) (SSM 31-41-02):
  - (a) Remove the applicable ARINC 629 Coupler. This is the task: ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801.
  - (b) Remove the applicable AIMS module. This is the task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between the specified pins of the applicable ARINC 629 Coupler connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. This is the task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the applicable ARINC 629 Coupler. This is the task: ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

### H. PFCS Interface Recovery Procedure - Configuration Check

**NOTE:** Sometimes the condition that causes the 31-68811 maintenance message also causes the Primary Flight Computers (PFCs) to stop communicating with the AIMS. When this condition is present, the Flight Deck Effect symptoms include the PFCS INTERFACE EICAS message and the THRUST ASYM COMP EICAS message, along with maintenance messages 31-68811, 27-10804, and 27-10805. If these symptoms were present, the following procedure can be used to determine if the PFCs have stopped communicating with the AIMS and to recover from that condition. Maintenance message 31-68811 must be cleared before performing the following procedure.

- (1) Do a configuration Check on the Primary Flight Computers.

**NOTE:** A maintenance access terminal (MAT) is necessary for this procedure. For instructions on how to use a maintenance access terminal refer to ( AMM TASK 45-10-00-740-808).

- (a) Do this task : Supply Electrical Power, AMM TASK 24-22-00-860-805.
- (b) Use a maintenance access terminal (MAT) to do the configuration check of the PFCs:
  - 1) Make these selections on the MAT:
    - a) ONBOARD MAINTENANCE.
    - b) LINE MAINTENANCE.
    - c) SYSTEM CONFIGURATION.
    - d) 27 Primary Flight Control System.
    - e) CONTINUE.
  - 2) Find Primary Flight Computer (left, center and right) on the display and make sure that the software part number (OPS) is displayed.

**NOTE:** An example of the display looks like:

Primary Flight Computer (Left) Hardware Part Number:

xx-xxx-xx

Serial Number:

xxxxxxxx

Options:

777-x00 LEFT##01FALSE

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### PFC OPS:

xxxx-PFC-xxx-xx

Primary Flight Computer (Center)

Hardware Part Number:

xx-xxx-xx

Serial Number:

xxxxxxxx

Options:

777-x00 CENTER01TRUE#

### PFC OPS:

xxxx-PFC-xxx-xx

Primary Flight Computer (Right)

Hardware Part Number:

xx-xxx-xx

Serial Number:

xxxxxxxx

Options:

777-x00 RIGHT#01TRUE#

### PFC OPS:

xxxx-PFC-xxx-xx

For this example, the parity pins for the center and right PFC are set (TRUE) while the parity pins on the left PFC are not set (FALSE). Each model of 777 airplane may have different parity pin requirements.

- 3) Select GO BACK to remove the configuration display.
- (c) If the OPS part number shows on all three PFCs, then the communication between the PFCs and AIMS is operating normally and no further action is needed. If "CONFIGURATION DATA NOT AVAILABLE" shows on the left and center PFCs, then communication between the PFCs and AIMS is latched out, and must be restored. To restore the interface, continue with SUBTASK 31-42-00-810-475.

### I. PFCS Interface Recovery Procedure - Software Reload

- (1) Make sure that these circuit breakers for the Left Primary Flight Computer are open and attach DO-NOT-CLOSE tags:
  - (a) On the left power supply assembly (PSA-L) in the E1-6 rack:

#### Power Supply Assembly Left, M24101

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>   |
|------------|------------|---------------|---------------|
| D          | 2          | CBD2-L        | PFC LANE 1    |
| D          | 4          | CBD4-L        | PFC LANE 2    |
| D          | 6          | CBD6-L        | PFC LANE 3    |
| D          | 8          | CBD8-L        | PFC BAT INTLK |

- (2) Make sure that these circuit breakers for Center Primary Flight Computer are open and attach DO-NOT-CLOSE tags:

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- (a) On the center power supply assembly (PSA-C) in the E2-6 rack

### Power Supply Assembly Center, M24301

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>   |
|------------|------------|---------------|---------------|
| D          | 2          | CBD2-C        | PFC LANE 1    |
| D          | 4          | CBD4-C        | PFC LANE 2    |
| D          | 6          | CBD6-C        | PFC LANE 3    |
| D          | 8          | CBD8-C        | PFC BAT INTLK |

- (3) Make sure that these circuit breakers for the Right Primary Flight Computer are open and attach DO-NOT-CLOSE tags:

- (a) On the right power supply assembly (PSA-R) in the E5-1 rack:

### Power Supply Assembly Right, M24201

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>   |
|------------|------------|---------------|---------------|
| D          | 2          | CBD2-R        | PFC LANE 1    |
| D          | 4          | CBD4-R        | PFC LANE 2    |
| D          | 6          | CBD6-R        | PFC LANE 3    |
| D          | 8          | CBD8-R        | PFC BAT INTLK |

NOTE: The E5-1 rack is immediately aft of the forward cargo door.

- (4) Remove the DO-NOT-CLOSE tags and close these circuit breakers for the Center Primary Flight Computer:

- (a) On the center power supply assembly (PSA-C) in the E2-6 racks:

### Power Supply Assembly Center, M24301

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>   |
|------------|------------|---------------|---------------|
| D          | 2          | CBD2-C        | PFC LANE 1    |
| D          | 4          | CBD4-C        | PFC LANE 2    |
| D          | 6          | CBD6-C        | PFC LANE 3    |
| D          | 8          | CBD8-C        | PFC BAT INTLK |

- (5) Reload software into the Primary Flight Computer:

- (a) Use a maintenance access terminal (MAT) to install software in the PFC.
- (b) If the software is on a diskette set, put the disk No. 1 in the disk drive.
- (c) Make these selections on the MAT:
- 1) ONBOARD MAINTENANCE.
  - 2) EXTENDED MAINTENANCE.
  - 3) DATA LOAD.
- (d) Make these selections to select the component that will receive the software:
- 1) SELECT DESTINATION.
  - 2) 27 PRIMARY FLIGHT CONTROL SYSTEM.
  - 3) Primary Flight Computer (left, center, or right).
  - 4) CONTINUE.
- (e) Make these selections to select the source of the software:
- 1) SELECT SOURCE.



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- 2) Select the source of the software (if Disk Drive is the only selection, it is automatically selected).
- 3) Select the software part number from the display.  
NOTE: NOTE: PFC has only one software part number.
- 4) CONTINUE.
- (f) Select START to start the software installation.
- (g) When the software installation is completed, make sure the correct software part number shows on the display.
  - 1) Observe the MAT display for any messages which indicate that the load is stopped.
  - 2) Also observe that the indicator bar (which displays load percentage completed) on the MAT increases approximately once every two minutes.
  - 3) If the data load is stopped before it is completed, then you must install the PFC software again with the first diskette.  
NOTE: You should exit the MAT and then re-enter to start the data load.
- (h) Select CONTINUE to remove the configuration display.
- (i) If the software does not load, replace the Primary Flight Computer. These are the tasks:
  - Primary Flight Computer (PFC) Removal, AMM TASK 27-02-01-000-801.
  - Primary Flight Computer (PFC) Installation, AMM TASK 27-02-01-400-802.NOTE: After replacing the PFC, power down all three PFCs before continuing.
- (6) Make sure that these circuit breakers for the Center Primary Flight Computer are open and attach DO-NOT-CLOSE tags:
  - (a) On the center power supply assembly (PSA-C) in the E2-6 racks:

### Power Supply Assembly Center, M24301

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>   |
|------------|------------|---------------|---------------|
| D          | 2          | CBD2-C        | PFC LANE 1    |
| D          | 4          | CBD4-C        | PFC LANE 2    |
| D          | 6          | CBD6-C        | PFC LANE 3    |
| D          | 8          | CBD8-C        | PFC BAT INTLK |

- (7) Remove the DO-NOT-CLOSE tags and close these circuit breakers for the Right Primary Flight Computer:
  - (a) On the right power supply assembly (PSA-R) in the E5-1 racks:

### Power Supply Assembly Right, M24201

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>   |
|------------|------------|---------------|---------------|
| D          | 2          | CBD2-R        | PFC LANE 1    |
| D          | 4          | CBD4-R        | PFC LANE 2    |
| D          | 6          | CBD6-R        | PFC LANE 3    |
| D          | 8          | CBD8-R        | PFC BAT INTLK |

- (8) Do SUBTASK 31-42-00-810-474 to reload software into the Right Primary Flight Computer.
- (9) Make sure that these circuit breakers for the Right Primary Flight Computer are open and attach DO-NOT-CLOSE tags:

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- (a) On the right power supply assembly (PSA-R) in the E5-1 racks:

### Power Supply Assembly Right, M24201

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>   |
|------------|------------|---------------|---------------|
| D          | 2          | CBD2-R        | PFC LANE 1    |
| D          | 4          | CBD4-R        | PFC LANE 2    |
| D          | 6          | CBD6-R        | PFC LANE 3    |
| D          | 8          | CBD8-R        | PFC BAT INTLK |

NOTE: The E5-1 rack is immediately aft of the forward cargo door.

- (10) Swap the Left PFC (M27106) and the Right PFC (M27206). These are the tasks:

- Primary Flight Computer (PFC) Removal, AMM TASK 27-02-01-000-801
- Primary Flight Computer (PFC) Installation, AMM TASK 27-02-01-400-802.

NOTE: After swapping the PFCs, power down all three PFCs before continuing.

- (11) Remove the DO-NOT-CLOSE tags and close these circuit breakers for the Right Primary Flight Computer:

- (a) On the right power supply assembly (PSA-R) in the E5-1 racks:

### Power Supply Assembly Right, M24201

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>   |
|------------|------------|---------------|---------------|
| D          | 2          | CBD2-R        | PFC LANE 1    |
| D          | 4          | CBD4-R        | PFC LANE 2    |
| D          | 6          | CBD6-R        | PFC LANE 3    |
| D          | 8          | CBD8-R        | PFC BAT INTLK |

NOTE: The E5-1 rack is immediately aft of the forward cargo door.

- (12) Do SUBTASK 31-42-00-810-474 to reload software into the Right Primary Flight Computer.

NOTE: This is the PFC that was originally in the Left PFC position.

- (13) Make sure that these circuit breakers for the Right Primary Flight Computer are open and attach DO-NOT-CLOSE tags:

- (a) On the right power supply assembly (PSA-R) in the E5-1 racks:

### Power Supply Assembly Right, M24201

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>   |
|------------|------------|---------------|---------------|
| D          | 2          | CBD2-R        | PFC LANE 1    |
| D          | 4          | CBD4-R        | PFC LANE 2    |
| D          | 6          | CBD6-R        | PFC LANE 3    |
| D          | 8          | CBD8-R        | PFC BAT INTLK |

NOTE: The E5-1 rack is immediately aft of the forward cargo door.

- (14) Remove the DO-NOT-CLOSE tags and close these circuit breakers for the Left Primary Flight Computer:

- (a) On the left power supply assembly (PSA-L) in the E1-6 racks:

### Power Supply Assembly Left, M24101

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| D          | 2          | CBD2-L        | PFC LANE 1  |
| D          | 4          | CBD4-L        | PFC LANE 2  |

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### Power Supply Assembly Left, M24101

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>   |
|------------|------------|---------------|---------------|
| D          | 6          | CBD6-L        | PFC LANE 3    |
| D          | 8          | CBD8-L        | PFC BAT INTLK |

- (15) Remove the DO-NOT-CLOSE tags and close these circuit breakers for the Center Primary Flight Computer:

- (a) On the center power supply assembly (PSA-C) in the E2-6 racks:

### Power Supply Assembly Center, M24301

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>   |
|------------|------------|---------------|---------------|
| D          | 2          | CBD2-C        | PFC LANE 1    |
| D          | 4          | CBD4-C        | PFC LANE 2    |
| D          | 6          | CBD6-C        | PFC LANE 3    |
| D          | 8          | CBD8-C        | PFC BAT INTLK |

- (16) Remove the DO-NOT-CLOSE tags and close these circuit breakers for the Right Primary Flight Computer:

- (a) On the right power supply assembly (PSA-R) in the E5-1 racks:

### Power Supply Assembly Right, M24201

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>   |
|------------|------------|---------------|---------------|
| D          | 2          | CBD2-R        | PFC LANE 1    |
| D          | 4          | CBD4-R        | PFC LANE 2    |
| D          | 6          | CBD6-R        | PFC LANE 3    |
| D          | 8          | CBD8-R        | PFC BAT INTLK |

NOTE: The E5-1 rack is immediately aft of the forward cargo door.

————— **END OF TASK** —————

## 909. AIMS No Output on System ARINC 629 Bus - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-68841, 31-68842, 31-68851, 31-68852, 31-68861, 31-68862, 31-68871, 31-68872.

### B. Initial Evaluation

- (1) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.
- (2) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do one of these steps to see if the maintenance message shows a failure:
- (a) Make sure that the ADIRU is on and aligned.
- 1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- 2) If the MAT shows NOT ACTIVE for the maintenance message, then no corrective action is necessary.
- (b) Make sure that the EEC switches are set to the TEST position.

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- 1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- 2) If the MAT shows NOT ACTIVE for the maintenance message, then no corrective action is necessary.

**C. Fault Isolation Procedure**

- (1) In the list below, find the Coupler, AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT<br>MESSAGE | ARINC 629<br>SYSTEM<br>COUPLER | AIMS<br>MODULE        | ARINC 629<br>CPLER<br>CONNECTOR | AIMS<br>CONNECTOR        |
|------------------|--------------------------------|-----------------------|---------------------------------|--------------------------|
| 31-68841         | B31112<br>LEFT                 | IOM(M009)<br>(AIMS-L) | DB31112<br>pin 2<br>pin 1       | P9-A<br>pin E2<br>pin E3 |
| 31-68842         | B31116<br>LEFT                 | IOM(M009)<br>(AIMS-R) | DB31116<br>pin 2<br>pin 1       | P9-A<br>pin E2<br>pin E3 |
| 31-68851         | B31312<br>CENTER1              | IOM(M008)<br>(AIMS-L) | DB31312<br>pin 2<br>pin 1       | P8-A<br>pin E2<br>pin E3 |
| 31-68852         | B31317<br>CENTER1              | IOM(M008)<br>(AIMS-R) | DB31317<br>pin 2<br>pin 1       | P8-A<br>pin E2<br>pin E3 |
| 31-68861         | B31211<br>RIGHT                | IOM(M004)<br>(AIMS-L) | DB31211<br>pin 2<br>pin 1       | P4-A<br>pin E2<br>pin E3 |
| 31-68862         | B31214<br>RIGHT                | IOM(M004)<br>(AIMS-R) | DB31214<br>pin 2<br>pin 1       | P4-A<br>pin E2<br>pin E3 |
| 31-68871         | B31314<br>CENTER2              | IOM(M003)<br>(AIMS-L) | DB31314<br>pin 2<br>pin 1       | P3-A<br>pin E2<br>pin E3 |
| 31-68872         | B31318<br>CENTER2              | IOM(M003)<br>(AIMS-R) | DB31318<br>pin 2<br>pin 1       | P3-A<br>pin E2<br>pin E3 |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.

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- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable ARINC 629 coupler.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable AIMS module.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 31-41-25) (WDM 31-41-26):
  - (a) Remove the applicable ARINC 629 coupler. To remove it, do this task: ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801.
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between the specified pins of the applicable ARINC 629 coupler connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the applicable ARINC 629 coupler. To install it, do this task: ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
  - (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 912. GPS Data Input from MMR to AIMS Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69861, 31-69862, 31-69863, 31-69864.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the multi-mode receiver (MMR), AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT<br>MESSAGE | MULTI-<br>MODE<br>RECEIVER | AIMS<br>MODULE        | MMR<br>CONNECTOR | AIMS<br>CONNECTOR |
|------------------|----------------------------|-----------------------|------------------|-------------------|
| 31-69861         | M34410<br>LEFT             | IOM(M008)<br>(AIMS-L) | DM34410AB        | P8-B              |
|                  |                            |                       | pin C2           | pin C4            |
|                  |                            |                       | pin D2           | pin C5            |
|                  | DATA<br>BUS #1             | IOM(M009)<br>(AIMS-L) | DM34410AB        | P9-B              |
| 31-69862         | M34410<br>LEFT             | IOM(M008)<br>(AIMS-R) | DM34410AB        | P8-B              |
|                  |                            |                       | pin J2           | pin C6            |
|                  |                            |                       | pin K2           | pin C7            |
|                  | DATA<br>BUS #2             | IOM(M009)<br>(AIMS-R) | DM34410AB        | P9-A              |
| 31-69863         | M34510<br>RIGHT            | IOM(M003)<br>(AIMS-L) | DM34510AB        | P3-B              |
|                  |                            |                       | pin C2           | pin C6            |
|                  |                            |                       | pin D2           | pin C7            |
|                  | DATA<br>BUS #1             | IOM(M004)<br>(AIMS-L) | DM34510AB        | P4-B              |
| 31-69864         | M34510<br>RIGHT            | IOM(M003)<br>(AIMS-R) | DM34510AB        | P3-B              |
|                  |                            |                       | pin J2           | pin C14           |
|                  |                            |                       | pin K2           | pin C15           |
|                  | DATA<br>BUS #2             | IOM(M004)<br>(AIMS-R) | DM34510AB        | P4-B              |
|                  |                            |                       | pin J2           | pin C14           |
|                  |                            |                       | pin K2           | pin C15           |

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- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable MMR.

These are the tasks:

Receiver for ILS - Removal, AMM TASK 34-31-01-000-801,  
Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable GPS antenna.

These are the tasks:

GPS Antenna Removal, AMM TASK 34-58-02-000-801,  
GPS Antenna Installation, AMM TASK 34-58-02-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this check of the wiring (WDM 34-58-11) (WDM 34-58-21) (SSM 31-41-03) (SSM 31-41-06):
  - (a) Remove the applicable MMR. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801
  - (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - (c) Do a wiring check between the specified pins of the applicable MMR connector and the applicable AIMS module connector.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
    - 3) Re-install the applicable MMR. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801

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- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 913. AIMS No Input from ILS Receiver on ILS Output #2 ARINC 429 Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69867, 31-69868, 31-69869, 31-69870, 31-69871, 31-69872.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the multi-mode receiver (MMR), AIMS module, connectors and pin numbers for the applicable maintenance message.

| MAINT MESSAGE | MMR              | AIMS MODULE           | MMR CONNECTOR | AIMS CONNECTOR |
|---------------|------------------|-----------------------|---------------|----------------|
| 31-69867      | M34410<br>LEFT   | IOM(M003)<br>(AIMS-L) | DM34410AB     | P3-B           |
|               |                  |                       | pin G1        | pin D12        |
|               |                  | IOM(M004)<br>(AIMS-L) | pin H1        | pin D13        |
|               |                  |                       | DM34410AB     | P4-B           |
| 31-69868      | M34410<br>LEFT   | IOM(M009)<br>(AIMS-R) | pin G1        | pin D12        |
|               |                  |                       | pin H1        | pin D13        |
|               |                  | IOM(M008)<br>(AIMS-L) | DM34410AB     | P9-A           |
|               |                  |                       | pin G1        | pin B8         |
| 31-69869      | M34610<br>CENTER | IOM(M009)<br>(AIMS-R) | pin H1        | pin B9         |
|               |                  |                       | DM34610AB     | P8-B           |
|               |                  | IOM(M008)<br>(AIMS-R) | pin G1        | pin D4         |
|               |                  |                       | pin H1        | pin D5         |
| 31-69870      | M34610<br>CENTER | IOM(M009)<br>(AIMS-R) | DM34610AB     | P9-B           |
|               |                  |                       | pin G1        | pin D4         |
|               |                  | IOM(M008)<br>(AIMS-R) | pin H1        | pin D5         |
|               |                  |                       | DM34610AB     | P8-B           |
| 31-69871      | M34610<br>CENTER | IOM(M009)<br>(AIMS-R) | pin G1        | pin C10        |
|               |                  |                       | pin H1        | pin C11        |

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| MAINT<br>MESSAGE | MMR             | AIMS<br>MODULE        | MMR<br>CONNECTOR              | AIMS<br>CONNECTOR          |
|------------------|-----------------|-----------------------|-------------------------------|----------------------------|
|                  |                 | IOM(M009)<br>(AIMS-R) | DM34610AB<br>pin G1<br>pin H1 | P9-B<br>pin C10<br>pin C11 |
| 31-69871         | M34510<br>RIGHT | IOM(M008)<br>(AIMS-L) | DM34510AB<br>pin G1<br>pin H1 | P8-A<br>pin A10<br>pin A11 |
| 31-69872         | M34510<br>RIGHT | IOM(M003)<br>(AIMS-R) | DM34510AB<br>pin G1<br>pin H1 | P3-B<br>pin D10<br>pin D11 |
|                  |                 | IOM(M004)<br>(AIMS-R) | DM34210AB<br>pin G1<br>pin H1 | P4-B<br>pin D10<br>pin D11 |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable MMR.

These are the tasks:

Receiver for ILS - Removal, AMM TASK 34-31-01-000-801,  
Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring (WDM 34-31-11) (WDM 34-31-21) (WDM 34-31-31) (SSM 31-41-03) (SSM 31-41-06):
  - (a) Remove the applicable MMR. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801

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- (b) Remove the applicable AIMS module. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
- (c) Do a wiring check between the specified pins of the applicable MMR connector and the applicable AIMS module connector.
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the applicable AIMS module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
  - 3) Re-install the applicable MMR. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801
- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 915. AIMS No Input from ELMS Electronics Unit on System ARINC 629 Bus (left) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-69496, 31-69497, 31-89417, 31-89418, 31-89421, 31-89422.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULES          | SOURCE LRUS   | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|---------------|----------------|----------------|--------------------|
| 31-89417      | IOM(M009)<br>(AIMS-L) | CCU<br>M24502 | LEFT           | B31112<br>P111 | B24107<br>P111     |
| 31-89418      | IOM(M009)<br>(AIMS-R) | CCU<br>M24502 | LEFT           | B31116<br>P111 | B24107<br>P111     |
| 31-69496      | IOM(M009)<br>(AIMS-L) | CCU<br>M24506 | LEFT           | B31112<br>P111 | B24108<br>P111     |
| 31-69497      | IOM(M009)<br>(AIMS-R) | CCU<br>M24506 | LEFT           | B31116<br>P111 | B24108<br>P111     |
| 31-89421      | IOM(M009)<br>(AIMS-L) | CCU<br>M24510 | LEFT           | B31112<br>P111 | B24109<br>P111     |
| 31-89422      | IOM(M009)<br>(AIMS-R) | CCU<br>M24510 | LEFT           | B31116<br>P111 | B24109<br>P111     |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M009) in Left(Right) AIMS Module Reset.

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- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable AIMS module.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do a check of the applicable source LRU.
  - (a) CCU in P110, M24502, CCU in P210, M24506, CCU in P310, M24510.  
This is the task:  
Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the applicable ARINC 629 coupler for the AIMS module.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler for the applicable source LRU.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 916. AIMS No Input from ELMS Electronics Unit on System ARINC 629 Bus (right) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-89617, 31-89618, 31-89619, 31-89620, 31-89621, 31-89622.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS module, source LRU, and ARINC 629 couplers for the applicable maintenance message.

| MAINT MESSAGE | AIMS MODULES          | SOURCE LRUS   | SYSTEM 629 BUS | AIMS COUPLER   | SOURCE LRU COUPLER |
|---------------|-----------------------|---------------|----------------|----------------|--------------------|
| 31-89617      | IOM(M004)<br>(AIMS-L) | CCU<br>M24502 | RIGHT          | B31211<br>P211 | B24207<br>P211     |
| 31-89618      | IOM(M004)<br>(AIMS-R) | CCU<br>M24506 | RIGHT          | B31214<br>P211 | B24207<br>P211     |
| 31-89619      | IOM(M004)<br>(AIMS-L) | CCU<br>M24506 | RIGHT          | B31211<br>P211 | B24208<br>P211     |
| 31-89620      | IOM(M004)<br>(AIMS-R) | CCU<br>M24506 | RIGHT          | B31214<br>P211 | B24208<br>P211     |
| 31-89621      | IOM(M004)<br>(AIMS-L) | CCU<br>M24510 | RIGHT          | B31211<br>P211 | B24209<br>P211     |
| 31-89622      | IOM(M004)<br>(AIMS-R) | CCU<br>M24510 | RIGHT          | B31214<br>P211 | B24209<br>P211     |

- (2) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do a check of the applicable source LRU.
  - (a) CCU in P110, M24502, CCU in P210, M24506, or CCU in P310, M24510.

This is the task:

Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable ARINC 629 coupler for the AIMS module.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the ARINC 629 coupler for the applicable source LRU.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

**| ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218**

### **918. Left AIMS has no input from Network File Server (Left) on the PlaneNet**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-70001.

#### **B. Description**

- (1) The Network File Server (NFS) shows this Maintenance Message when PlaneNet communication between the Airplane Information Management System (AIMS)-L, and the NFS is unserviceable.
- (2) Use this task when AIMS EXISTING FAULTS shows Maintenance Message.
  - (a) The fault data for Maintenance Message is: Left AIMS has no input from Network File Server (Left) on the PlaneNet.

#### **C. Possible Causes**

- (1) CPM/Comm(M001) in Left AIMS
- (2) NFS
- (3) Wiring
- (4) Software

#### **D. Related Data**

- (1) WDM 31-41-21
- (2) WDM 46-13-11
- (3) SSM 46-13-11

#### **E. Initial Evaluation**

- (1) Do a check of the AIMS EXISTING FAULTS for ATA 31 AIMS - Left AIMS (How to Find Active or Latched Maintenance Messages in One ATA System, AMM TASK 45-10-00-740-818).
  - (a) If the Maintenance Message does not show, then the fault is intermittent.
  - (b) If the Maintenance Message still shows, then continue.
- (2) Do a check of ONS EXISTING FAULTS (Onboard Network System NFS Message Check, AMM TASK 46-13-00-720-801).

**NOTE:** ONS is serviceable only when the EXISTING FAULTS page shows no Maintenance Messages.

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ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218  
(Continued)

- (a) Set the browser to show EXTENDED MAINTENANCE > EXISTING FAULTS > ATA SYSTEM > "46 Onboard Network System" > FAULTS.
  - 1) If you find active Maintenance Messages, then do the FIM Tasks for the messages that show.
    - a) After you correct the ONS related problems, exit and re-enter the AIMS EXISTING FAULTS page.
    - b) If the Maintenance Message still shows, then do the Fault Isolation Procedure.

### F. Fault Isolation Procedure

- (1) Make sure that these circuit breakers are closed:

#### Left Power Management Panel, P110

| <u>Row</u>                                                                                       | <u>Col</u> | <u>Number</u> | <u>Name</u>         |
|--------------------------------------------------------------------------------------------------|------------|---------------|---------------------|
| ARO 001, 002, 004-013; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218 |            |               |                     |
| B                                                                                                | 27         | C46411        | NETWORK FILE SERVER |
| ARO 014-999                                                                                      |            |               |                     |
| B                                                                                                | 27         | C46418        | NFS - L             |

#### Overhead Circuit Breaker Panel, P11

| <u>Row</u>                                                                                       | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|--------------------------------------------------------------------------------------------------|------------|---------------|-------------|
| ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218 |            |               |             |
| B                                                                                                | 12         | C31609        | AIMS L-1    |
| B                                                                                                | 13         | C31611        | AIMS L-2    |
| B                                                                                                | 14         | C31617        | AIMS L-3    |
| B                                                                                                | 15         | C31619        | AIMS L-4    |
| F                                                                                                | 12         | C31610        | AIMS R-1    |
| F                                                                                                | 13         | C31612        | AIMS R-2    |
| F                                                                                                | 14         | C31618        | AIMS R-3    |
| F                                                                                                | 15         | C31620        | AIMS R-4    |

This circuit breaker is inoperative and should remain open:

#### Right Power Management Panel, P210

| <u>Row</u>  | <u>Col</u> | <u>Number</u> | <u>Name</u>    |
|-------------|------------|---------------|----------------|
| ARO 014-999 |            |               |                |
| B           | 11         | C46419        | NFS - R (INOP) |

ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218

- (a) If you closed the breaker, do a check of the AIMS EXISTING FAULTS for ATA 31 AIMS - Left AIMS (How to Find Active or Latched Maintenance Messages in One ATA System, AMM TASK 45-10-00-740-818).
  - 1) If the Maintenance Message does not show, then you corrected the problem.
  - 2) If the Maintenance Message still shows, then continue.

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- (2) Make these selections on the MAT to make sure that the Right CMCF is in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL.  
NOTE: You must reset the IOM(M003) from the off-side CMCF and AIMS Interface.
  - (a) If the display shows that the Left CMCF is in control, select SWITCH TO RIGHT, YES, CONTINUE.
    - 1) On the MATA AIMS Main Menu, select Interface R\_AIMS.
    - 2) Select ONBOARD MAINTENANCE.
  - (b) If the display shows that the Right CMCF is in control, then select GO BACK.
    - 1) Select LINE MAINTENANCE, EXIT MAINTENANCE, Interface R\_AIMS.
    - 2) Select ONBOARD MAINTENANCE.
- (3) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/Comm(M001) in Left AIMS Module Reset.
  - (a) Do the Repair Confirmation procedure at the end of this task.
- (4) Replace the CPM/Comm(M001) module in the Left AIMS cabinet. These are the tasks:
  - Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802
  - Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802
  - (a) Do the Repair Confirmation at the end of this task.



DO NOT TOUCH THE CONNECTOR PINS, OR OTHER CONDUCTORS. IF YOU TOUCH THESE CONDUCTORS, ELECTROSTATIC DISCHARGE CAN CAUSE DAMAGE TO THE COMPONENTS.

- (5) Do this check of the wiring (WDM 46-13-11):  
NOTE: You must remove or electrically disconnect all LRUs on the QAR AUX Data Bus before you do a continuity check. Use the Wiring Diagram Manual (WDM) to tell which LRUs are on the bus. After the check, then re-install or connect the LRUs.
  - (a) Remove the NFS. This is the task: Network File Server Removal, AMM TASK 46-13-01-000-801-001.
  - (b) Isolate the QAR AUX Data Bus at the AIMS-L Cabinet, M31101, at connector D6629.
  - (c) Remove the EFB EU-L, N46102, and EFB EU-R, N46202. This is the task: Electronic Unit Removal, AMM TASK 46-11-03-000-801.
  - (d) Remove the Left Satellite Data Unit, SDU-L, M23106. This is the task: Satellite Data Unit Removal, AMM TASK 23-15-10-000-801.
  - (e) Remove the Ground Proximity Warning Computer (GPWC), M34004. This is the task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.

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- (f) Do this Ethernet 10/100 Base-T check (SSM 46-13-11):

### E/E BAY

|                                            |                                           |
|--------------------------------------------|-------------------------------------------|
| <b>NFS, M46009,<br/>E4-2<br/>DM46009AB</b> | <b>AIMS-L,<br/>M31101, E3-1<br/>D6633</b> |
| pin LL-1 . . . . .                         | pin 41                                    |
| pin LL-3 . . . . .                         | pin 40                                    |
| pin LL-2 . . . . .                         | pin 38                                    |
| pin LL-4 . . . . .                         | pin 37                                    |

### ARO 005-999

- (g) Do this Ethernet 10/100 Base-T check (SSM 46-13-11):

### E/E BAY

|                                            |                                           |
|--------------------------------------------|-------------------------------------------|
| <b>NFS, M46013,<br/>E4-2<br/>DM46013AB</b> | <b>AIMS-L,<br/>M31101, E3-1<br/>D6633</b> |
| pin LL-1 . . . . .                         | pin 41                                    |
| pin LL-3 . . . . .                         | pin 40                                    |
| pin LL-2 . . . . .                         | pin 38                                    |
| pin LL-4 . . . . .                         | pin 37                                    |

ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218

- (h) If you find a problem with the wiring, then repair the connection.
- (i) Re-install the NFS. This is the task: Network File Server Installation, AMM TASK 46-13-01-400-801-001.
- (j) Re-connect the QAR AUX Data Bus at the AIMS-L Cabinet, M31101, at connector D6629.
- (k) Re-install EFB EU-L, N46102, and EU-R, N46202. This is the task: Electronic Unit Installation, AMM TASK 46-11-03-400-801.
- (l) Re-install the SDU-L, M23106. This is the task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
- (m) Re-install the GPWC, M34004. This is the task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
- (n) Do the Repair Confirmation at the end of this task.
- (6) Do a check of CPM/Comm Software in the Left AIMS cabinet. This is the task: Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802
- (a) Make sure that OPS is serviceable.
- (b) Make sure that OPC is serviceable.
- (c) Make sure the two parts agree with your airline's required software record.
- NOTE:** At this step in the process, it is very likely that at least one of the two parts is unserviceable.
- 1) If you find a problem, then install the correct software part (Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804).

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- (d) Do the Repair Confirmation at the end of this task.
- (7) Do a check of ONS Software. This is the task: Network File Server Software Check, AMM TASK 46-13-01-860-801
  - (a) Make sure that 46 NED OPC is serviceable.
  - (b) Make sure that 46 NFS OPC is serviceable.
  - (c) Make sure the two parts agree with your airline's required software record.  
NOTE: At this step in the process, it is very likely that at least one of the two parts is unserviceable.
    - 1) If you find a problem, then install the correct software part (Network File Server Software Installation, AMM TASK 46-13-01-470-801).
  - (d) Do the Repair Confirmation at the end of this task.
- (8) Replace the NFS. These are the tasks:
  - Network File Server Removal, AMM TASK 46-13-01-000-801-001
  - Network File Server Installation, AMM TASK 46-13-01-400-801-001
- (a) Do the Repair Confirmation at the end of this task.

### G. Repair Confirmation

- (1) Do a check of the AIMS EXISTING FAULTS for ATA 31 AIMS - Left AIMS (How to Find Active or Latched Maintenance Messages in One ATA System, AMM TASK 45-10-00-740-818).
  - (a) If the Maintenance Message does not show, then you corrected the problem.
  - (b) If the Maintenance Message still shows, continue the Fault Isolation Procedure at the subsequent step.

————— END OF TASK —————

### 919. Right AIMS has no input from Network File Server (Left) on the PlaneNet

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-70002.

#### B. Description

- (1) The NFS shows this Maintenance Message when PlaneNet communication between the AIMS-R, and the NFS is unserviceable.
- (2) Use this task when AIMS EXISTING FAULTS shows Maintenance Message.
  - (a) The fault data for Maintenance Message is: Right AIMS has no input from Network File Server (Left) on the PlaneNet.

#### C. Possible Causes

- (1) CPM/Comm(M001) in Right AIMS
- (2) NFS
- (3) Wiring
- (4) Software

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## 31-42 TASKS 918-919

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## 777-200/300 FAULT ISOLATION MANUAL

ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218  
(Continued)

### D. Related Data

- (1) WDM 31-41-21
- (2) WDM 46-13-11
- (3) SSM 46-13-11

### E. Initial Evaluation

- (1) Do a check of the AIMS EXISTING FAULTS for ATA 31 AIMS - Right AIMS (How to Find Active or Latched Maintenance Messages in One ATA System, AMM TASK 45-10-00-740-818).
  - (a) If the Maintenance Message does not show, then the fault is intermittent.
  - (b) If the Maintenance Message still shows, then continue.
- (2) Do a check of ONS EXISTING FAULTS (Onboard Network System NFS Message Check, AMM TASK 46-13-00-720-801).

**NOTE:** ONS is serviceable only when the EXISTING FAULTS page shows no Maintenance Messages.

- (a) Set the browser to show EXTENDED MAINTENANCE > EXISTING FAULTS > ATA SYSTEM > "46 Onboard Network System" > FAULTS.
  - 1) If you find active Maintenance Messages, then do the FIM Tasks for the messages that show.
    - a) After you correct the ONS related problems, exit and re-enter the AIMS EXISTING FAULTS page.
    - b) If the Maintenance Message still shows, then do the Fault Isolation Procedure.

### F. Fault Isolation Procedure

- (1) Make sure that these circuit breakers are closed:

#### Left Power Management Panel, P110

| Row                                                                                              | Col | Number | Name                |
|--------------------------------------------------------------------------------------------------|-----|--------|---------------------|
| ARO 001, 002, 004-013; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218 |     |        |                     |
| B                                                                                                | 27  | C46411 | NETWORK FILE SERVER |
| ARO 014-999                                                                                      |     |        |                     |
| B                                                                                                | 27  | C46418 | NFS - L             |

#### Overhead Circuit Breaker Panel, P11

| Row                                                                                              | Col | Number | Name     |
|--------------------------------------------------------------------------------------------------|-----|--------|----------|
| ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218 |     |        |          |
| B                                                                                                | 12  | C31609 | AIMS L-1 |
| B                                                                                                | 13  | C31611 | AIMS L-2 |
| B                                                                                                | 14  | C31617 | AIMS L-3 |
| B                                                                                                | 15  | C31619 | AIMS L-4 |
| F                                                                                                | 12  | C31610 | AIMS R-1 |
| F                                                                                                | 13  | C31612 | AIMS R-2 |
| F                                                                                                | 14  | C31618 | AIMS R-3 |
| F                                                                                                | 15  | C31620 | AIMS R-4 |

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ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218  
(Continued)

This circuit breaker is inoperative and should remain open:

### Right Power Management Panel, P210

| Row | Col | Number | Name |
|-----|-----|--------|------|
|-----|-----|--------|------|

ARO 014-999

|   |    |        |                |
|---|----|--------|----------------|
| B | 11 | C46419 | NFS - R (INOP) |
|---|----|--------|----------------|

ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218

- (a) If you closed the breaker, do a check of the AIMS EXISTING FAULTS for ATA 31 AIMS - Right AIMS (How to Find Active or Latched Maintenance Messages in One ATA System, AMM TASK 45-10-00-740-818).
  - 1) If the Maintenance Message does not show, then you corrected the problem.
  - 2) If the Maintenance Message still shows, then continue.
- (2) Make these selections on the MAT to make sure that the Left CMCF is in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL.

**NOTE:** You must reset the IOM(M003) from the off-side CMCF and AIMS Interface.

  - (a) If the display shows that the Right CMCF is in control, select SWITCH TO LEFT, YES, CONTINUE.
    - 1) On the MATA AIMS Main Menu, select Interface L\_AIMS.
    - 2) Select ONBOARD MAINTENANCE.
  - (b) If the display shows that the Left CMCF is in control, then select GO BACK.
    - 1) Select LINE MAINTENANCE, EXIT MAINTENANCE, Interface L\_AIMS.
    - 2) Select ONBOARD MAINTENANCE.
- (3) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm(M001) in Right AIMS Module Reset.
  - (a) Do the Repair Confirmation procedure at the end of this task.
- (4) Replace the CPM/Comm(M001) module in the Right AIMS cabinet. These are the tasks:
  - Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802
  - Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802
  - (a) Do the Repair Confirmation at the end of this task.



**CAUTION**

DO NOT TOUCH THE CONNECTOR PINS, OR OTHER CONDUCTORS. IF YOU TOUCH THESE CONDUCTORS, ELECTROSTATIC DISCHARGE CAN CAUSE DAMAGE TO THE COMPONENTS.

- (5) Do this check of the wiring (WDM 46-13-11):

**NOTE:** You must remove or electrically disconnect all LRUs on the QAR AUX Data Bus before you do a continuity check. Use the WDM to tell which LRUs are on the bus. After the check, then re-install or connect the LRUs.

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ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218  
(Continued)

- (a) Remove the NFS. This is the task: Network File Server Removal, AMM TASK 46-13-01-000-801-001.
- (b) Isolate the QAR AUX Data Bus at the AIMS-R Cabinet, M31201, at connector D6629.
- (c) Remove the EFB EU-L, N46102, and EFB EU-R, N46202. This is the task: Electronic Unit Removal, AMM TASK 46-11-03-000-801.
- (d) Remove the Left Satellite Data Unit, SDU-L, M23106. This is the task: Satellite Data Unit Removal, AMM TASK 23-15-10-000-801.
- (e) Remove the GPWC, M34004. This is the task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.

ARO 001, 002, 004-013; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218

- (f) Do this Ethernet 10/100 Base-T check (SSM 46-13-11):

### E/E BAY

|                                            |                                           |
|--------------------------------------------|-------------------------------------------|
| <b>NFS, M46009,<br/>E4-2<br/>DM46009AB</b> | <b>AIMS-R,<br/>M31201, E3-1<br/>D6733</b> |
| pin LL-1 .....                             | pin 35                                    |
| pin LL-3 .....                             | pin 34                                    |
| pin LL-2 .....                             | pin 32                                    |
| pin LL-4 .....                             | pin 31                                    |

ARO 005-999

- (g) Do this Ethernet 10/100 Base-T check (SSM 46-13-11):

### E/E BAY

|                                            |                                           |
|--------------------------------------------|-------------------------------------------|
| <b>NFS, M46013,<br/>E4-2<br/>DM46013AB</b> | <b>AIMS-R,<br/>M31201, E3-1<br/>D6733</b> |
| pin LL-1 .....                             | pin 35                                    |
| pin LL-3 .....                             | pin 34                                    |
| pin LL-2 .....                             | pin 32                                    |
| pin LL-4 .....                             | pin 31                                    |

ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218

- (h) If you find a problem with the wiring, then repair the connection.
- (i) Re-install the NFS. This is the task: Network File Server Installation, AMM TASK 46-13-01-400-801-001.
- (j) Re-connect the QAR AUX Data Bus at the AIMS-R Cabinet, M31201, at connector D6629.
- (k) Re-install EFB EU-L, N46102, and EU-R, N46202. This is the task: Electronic Unit Installation, AMM TASK 46-11-03-400-801.
- (l) Re-install the SDU-L, M23106. This is the task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.

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ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218  
(Continued)

- (m) Re-install the GPWC, M34004. This is the task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
- (n) Do the Repair Confirmation at the end of this task.
- (6) Do a check of CPM/Comm Software in the Right AIMS cabinet. This is the task: Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802
  - (a) Make sure that OPS is serviceable.
  - (b) Make sure that OPC is serviceable.
  - (c) Make sure the two parts agree with your airline's required software record.  
NOTE: At this step in the process, it is very likely that at least one of the two parts is unserviceable.
    - 1) If you find a problem, then install the correct software part (Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804).
  - (d) Do the Repair Confirmation at the end of this task.
- (7) Do a check of ONS Software. This is the task: Network File Server Software Check, AMM TASK 46-13-01-860-801
  - (a) Make sure that 46 NED OPC is serviceable.
  - (b) Make sure that 46 NFS OPC is serviceable.
  - (c) Make sure the two parts agree with your airline's required software record.  
NOTE: At this step in the process, it is very likely that at least one of the two parts is unserviceable.
    - 1) If you find a problem, then install the correct software part (Network File Server Software Installation, AMM TASK 46-13-01-470-801).
  - (d) Do the Repair Confirmation at the end of this task.
- (8) Replace the NFS. These are the tasks:
  - Network File Server Removal, AMM TASK 46-13-01-000-801-001
  - Network File Server Installation, AMM TASK 46-13-01-400-801-001
  - (a) Do the Repair Confirmation at the end of this task.

### G. Repair Confirmation

- (1) Do a check of the AIMS EXISTING FAULTS for ATA 31 AIMS - Right AIMS (How to Find Active or Latched Maintenance Messages in One ATA System, AMM TASK 45-10-00-740-818).
  - (a) If the Maintenance Message does not show, then you corrected the problem.
  - (b) If the Maintenance Message still shows, continue the Fault Isolation Procedure at the subsequent step.

————— END OF TASK —————

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**FAULT ISOLATION MANUAL**

**801. CPM/Comm(M001) In AIMS-L Internal Fault - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51015, 31-51017.

**B. Fault Isolation Procedure**

- (1) Replace the CPM/Comm(M001) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**802. CPM/Comm(M001) In AIMS-R Internal Fault - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51016, 31-51018.

**B. Fault Isolation Procedure**

- (1) Replace the CPM/Comm(M001) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**803. CPM/ACMF(M002) or CPM/STD(M002) In AIMS-L Internal Fault - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51025, 31-51027.

**B. Fault Isolation Procedure**

- (1) Replace the CPM/STD(M002) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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**804. CPM/Basic(M002) OR CPM/ACMF(M002) OR CPM/STD(M002) In AIMS-R Internal Fault - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51026, 31-51028.

**B. Fault Isolation Procedure**

- (1) Replace the CPM/STD(M002) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**805. CPM/GG(M010) In AIMS-L Internal Fault - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51035, 31-51037.

**B. Fault Isolation Procedure**

- (1) Replace the CPM/GG(M010) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**806. CPM/GG(M010) In AIMS-R Internal Fault - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51036, 31-51038.

**B. Fault Isolation Procedure**

- (1) Replace the CPM/GG(M010) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 807. CPM/GG(M011) In AIMS-L Internal Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51045, 31-51047.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/GG(M011) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 808. CPM/GG(M011) In AIMS-R Internal Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51046, 31-51048.

#### B. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the CPM/GG(M011) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 809. AIMS-L Output Fault On Left General Purpose #1 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-52501.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.

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- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the ground proximity warning computer (GPWC), M34004. To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
- (c) Do a wiring check between these pins of connector DM34004AB at the E1-4 shelf and connector J240-Bin the left AIMS cabinet (WDM 31-41-21) (SSM 31-41-03):

| <b>DM34004AB</b>  | <b>J240-B</b> |
|-------------------|---------------|
| pin C12 . . . . . | pin F11       |
| pin D12 . . . . . | pin G12       |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
  - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
- (4) Do this check of the wiring:
- (a) Remove the left satellite data unit (SDU), M23106. To remove it, do this task: Satellite Data Unit Removal, AMM TASK 23-15-10-000-801.
- (b) Do a wiring check between these pins of connector DM23106AB at the E11-1 shelf and connector J240-B in the left AIMS cabinet (WDM 31-41-21) (SSM 31-41-03):

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### DM23106AB

pin A4 ..... pin F11  
pin B4 ..... pin G12

### J240-B

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
  - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.

### — END OF TASK —

## 810. AIMS-R Output Fault On Right General Purpose #1 Bus - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-52502.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) in the right AIMS cabinet.

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:

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- (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the ground proximity warning computer (GPWC), M34004. To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
- (c) Do a wiring check between these pins of connector DM34004AA at the E1-4 shelf and connector J240-B in the right AIMS cabinet (WDM 31-41-23) (SSM 31-41-06):

| <b>DM34004AA</b> | <b>J240-B</b> |
|------------------|---------------|
| pin C9 . . . . . | pin F11       |
| pin D9 . . . . . | pin G12       |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
  - 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
- (4) Do this check of the wiring:
  - (a) Do a wiring check between these pins of connector DM23080AB at the E12-1 shelf and connector J240-B in the right AIMS cabinet (WDM 31-41-23) (SSM 31-41-06):

| <b>DM23080AB</b> | <b>J240-B</b> |
|------------------|---------------|
| pin 21 . . . . . | pin F11       |
| pin 22 . . . . . | pin G12       |

- (b) Repair any wiring problems you find.
- (c) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 811. AIMS-L Output Fault On Spare Bus (Connector D6618, Pins 53 and 54) - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-52521.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.

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- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
    - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
    - (b) Disconnect connector D6618 at the left AIMS cabinet.
    - (c) Do a wiring check between these pins of connector D6618 at the E3-1 shelf and connector J240-Bin the left AIMS cabinet:

|                  |               |
|------------------|---------------|
| <b>D6618</b>     | <b>J240-B</b> |
| pin 53 . . . . . | pin A18       |
| pin 54 . . . . . | pin B18       |
    - (d) Repair any wiring problems you find.
    - (e) Re-connect connector D6618.
    - (f) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 812. AIMS-R Output Fault On Spare Bus (Connector D6718, Pins 53 and 54) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-52522.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.

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- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
    - (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
    - (b) Disconnect connector D6718 at the right AIMS cabinet.
    - (c) Do a wiring check between these pins of connector D6718 at the E3-1 shelf and connector J240-B in the right AIMS cabinet:

|                  |               |
|------------------|---------------|
| <b>D6718</b>     | <b>J240-B</b> |
| pin 53 . . . . . | pin A18       |
| pin 54 . . . . . | pin B18       |
    - (d) Repair any wiring problems you find.
    - (e) Re-connect connector D6718.
    - (f) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 813. AIMS-L Output Fault On Left General Purpose #2 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-52531.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.

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- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
    - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
    - (b) Remove the left radio tuning panel (RTP), M23005. To remove it, do this task: Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801.
    - (c) Do a wiring check between these pins of connector DM23005 at the aisle stand panel, P8 and connector J240-A in the left AIMS cabinet (WDM 31-41-22) (SSM 31-41-03):

| DM23005      | J240-A  |
|--------------|---------|
| pin 14 ..... | pin F13 |
| pin 15 ..... | pin G14 |

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the left RTP, M23005. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
    - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the left RTP, M23005. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
  - (4) Do this check of the wiring:
    - (a) Remove the right RTP, M23006. To remove it, do this task: Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801.
    - (b) Do a wiring check between these pins of connector DM23006 at the P8 panel and connector J240-A in the left AIMS cabinet (WDM 31-41-22) (SSM 31-41-03):

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|                |               |
|----------------|---------------|
| <b>DM23006</b> | <b>J240-A</b> |
| pin 14 .....   | pin F13       |
| pin 15 .....   | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the right RTP, M23006. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
  - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the right RTP, M23006. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
- (6) Do this check of the wiring:
  - (a) Remove the center RTP, M23007. To remove it, do this task: Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801.
  - (b) Do a wiring check between these pins of connector DM23007 at the P8 panel and connector J240-A in the left AIMS cabinet (WDM 31-41-22) (SSM 31-41-03):

|                |               |
|----------------|---------------|
| <b>DM23007</b> | <b>J240-A</b> |
| pin 14 .....   | pin F13       |
| pin 15 .....   | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the center RTP, M23007. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
  - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (7) Re-install the center RTP, M23007. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
- (8) Do this check of the wiring:
  - (a) Remove the rudder trim indicator, N27003. To remove it, do this task: Rudder Trim Indicator Removal, AMM TASK 27-21-09-000-801.
  - (b) Do a wiring check between these pins of connector DN27003 at the P8 panel and connector J240-A in the left AIMS cabinet (WDM 31-41-22) (SSM 31-41-03):

|                |               |
|----------------|---------------|
| <b>DN27003</b> | <b>J240-A</b> |
| pin 8 .....    | pin F13       |
| pin 9 .....    | pin G14       |

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- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the rudder trim indicator, N27003. To install it, do this task: Rudder Trim Indicator Installation, AMM TASK 27-21-09-400-801.
  - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (9) Re-install the rudder trim indicator, N27003. To install it, do this task: Rudder Trim Indicator Installation, AMM TASK 27-21-09-400-801.
- (10) Do this check of the wiring:
- (a) Remove the left stabilizer position indicator, N27001. To remove it, do this task: Stabilizer Position Indicator Removal, AMM TASK 27-48-02-000-801.
  - (b) Do a wiring check between these pins of connector DN27001 at the P10 panel and connector J240-A in the left AIMS cabinet (WDM 31-41-22) (SSM 31-41-03):

| <b>DN27001</b>  | <b>J240-A</b> |
|-----------------|---------------|
| pin 8 . . . . . | pin F13       |
| pin 9 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the left stabilizer position indicator, N27001. To install it, do this task: Stabilizer Position Indicator Installation, AMM TASK 27-48-02-400-801.
  - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (11) Re-install the left stabilizer position indicator, N27001. To install it, do this task: Stabilizer Position Indicator Installation, AMM TASK 27-48-02-400-801.
- (12) Do this check of the wiring:
- (a) Remove the left autothrottle servo motor (ASM), M22105. To remove it, do this task: Autothrottle Servomotor (ASM) and Gearbox Removal, AMM TASK 76-12-01-000-805-H00.
  - (b) Do a wiring check between these pins of connector DM22105 at the P10 panel and connector J240-A in the left AIMS cabinet (WDM 31-41-22) (SSM 31-41-03):

| <b>DM22105</b>   | <b>J240-A</b> |
|------------------|---------------|
| pin 6 . . . . .  | pin F13       |
| pin 16 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.

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- 2) Re-install the left ASM, M22105. To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
  - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (13) Re-install the left ASM, M22105. To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
- (14) Do this check of the wiring:
- (a) Remove the right ASM, M22205. To remove it, do this task: Autothrottle Servomotor (ASM) and Gearbox Removal, AMM TASK 76-12-01-000-805-H00.
  - (b) Do a wiring check between these pins of connector DM22205 at the P10 panel and connector J240-A in the left AIMS cabinet (WDM 31-41-22) (SSM 31-41-03):

| <b>DM22205</b>   | <b>J240-A</b> |
|------------------|---------------|
| pin 6 . . . . .  | pin F13       |
| pin 16 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the right ASM, M22205. To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
  - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (15) Re-install the right ASM, M22205. To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
- (16) Do this check of the wiring:
- (a) Do a wiring check between these pins of connector DN31002 at the P1 panel and connector J240-A in the left AIMS cabinet (WDM 31-41-22) (SSM 31-41-03):

| <b>DN31002</b>   | <b>J240-A</b> |
|------------------|---------------|
| pin 19 . . . . . | pin F13       |
| pin 20 . . . . . | pin G14       |

- (b) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If you do not find a problem with the wiring, then continue.

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- (17) Do this check of the wiring:
- Remove the cockpit voice recorder (VCR), M23001. To remove it, do this task: Cockpit Voice Recorder Removal, AMM TASK 23-71-01-000-801.
  - Do a wiring check between these pins of connector DM23001 and connector J240-A in the left AIMS cabinet (SSM 31-41-03) (WDM 31-41-22):

| <b>DM23001</b>   | <b>J240-A</b> |
|------------------|---------------|
| pin 26 . . . . . | pin F13       |
| pin 25 . . . . . | pin G14       |
  - If you find a problem with the wiring, then do these steps:
    - Repair the wiring.
    - Re-install the CVR, M23001. To install it, do this task: Cockpit Voice Recorder Installation, AMM TASK 23-71-01-400-801.
    - Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - If you do not find a problem with the wiring, then continue.
- (18) Re-install the CVR, M23001. To install it, do this task: Cockpit Voice Recorder Installation, AMM TASK 23-71-01-400-801.
- (19) Do this check of the wiring:
- Remove the left weather radar transceiver (WXR xcvr), M34116. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
  - Do a wiring check between these pins of connector DM34116AB at STA 142, WL 168, BL 0 and connector J240-A in the left AIMS cabinet (WDM 31-41-22) (SSM 31-41-03):

| <b>DM34116AB</b> | <b>J240-A</b> |
|------------------|---------------|
| pin B3 . . . . . | pin F13       |
| pin B4 . . . . . | pin G14       |
  - If you find a problem with the wiring, then do these steps:
    - Repair the wiring.
    - Re-install the left WXR xcvr, M34116. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
    - Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - If you do not find a problem with the wiring, then continue.
- (20) Re-install the left WXR xcvr, M34116. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
- (21) Do this check of the wiring:
- Remove the right WXR xcvr, M34216. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.

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- (b) Do a wiring check between these pins of connector DM34216AB at STA 155, WL 168, RBL 21 and connector J240-A in the left AIMS cabinet (WDM 31-41-22) (SSM 31-41-03):

| <b>DM34216AB</b> | <b>J240-A</b> |
|------------------|---------------|
| pin B3 .....     | pin F13       |
| pin B4 .....     | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the right WXR xcvr, M34216. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
  - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (22) Re-install the right WXR xcvr, M34216. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.

### — END OF TASK —

#### 814. AIMS-R Output Fault On Right General Purpose #2 Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-52532.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (2) Do this check of the wiring:
- (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the left radio tuning panel (RTP), M23005. To remove it, do this task: Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801.
  - (c) Do a wiring check between these pins of connector DM23005 at the aisle stand panel, P8 and connector J240-A in the right AIMS cabinet (WDM 31-41-24) (SSM 31-41-06):

| <b>DM23005</b>   | <b>J240-A</b> |
|------------------|---------------|
| pin 16 . . . . . | pin F13       |
| pin 17 . . . . . | pin G14       |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the left RTP, M23005. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
  - 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the left RTP, M23005. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the right RTP, M23006. To remove it, do this task: Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801.
  - (b) Do a wiring check between these pins of connector DM23006 at the P8 panel and connector J240-A in the right AIMS cabinet (WDM 31-41-24) (SSM 31-41-06):

| <b>DM23006</b>   | <b>J240-A</b> |
|------------------|---------------|
| pin 16 . . . . . | pin F13       |
| pin 17 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the right RTP, M23006. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
  - 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the right RTP, M23006. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
- (6) Do this check of the wiring:

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- (a) Remove the center RTP, M23007. To remove it, do this task: Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801.
- (b) Do a wiring check between these pins of connector DM23007 at the P8 panel and connector J240-A in the right AIMS cabinet (WDM 31-41-24) (SSM 31-41-06):

| <b>DM23007</b>   | <b>J240-A</b> |
|------------------|---------------|
| pin 16 . . . . . | pin F13       |
| pin 17 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the center RTP, M23007. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
    - 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
  - (7) Re-install the center RTP, M23007. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
  - (8) Do this check of the wiring:
    - (a) Remove the rudder trim indicator, N27003. To remove it, do this task: Rudder Trim Indicator Removal, AMM TASK 27-21-09-000-801.
    - (b) Do a wiring check between these pins of connector DN27003 at the P8 panel and connector J240-A in the right AIMS cabinet (WDM 31-41-24) (SSM 31-41-06):
- | <b>DN27003</b>   | <b>J240-A</b> |
|------------------|---------------|
| pin 11 . . . . . | pin F13       |
| pin 12 . . . . . | pin G14       |
- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the rudder trim indicator, N27003. To install it, do this task: Rudder Trim Indicator Installation, AMM TASK 27-21-09-400-801.
    - 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
  - (9) Re-install the rudder trim indicator, N27003. To install it, do this task: Rudder Trim Indicator Installation, AMM TASK 27-21-09-400-801.
  - (10) Do this check of the wiring:
    - (a) Remove the right stabilizer position indicator, N27002. To remove it, do this task: Stabilizer Position Indicator Removal, AMM TASK 27-48-02-000-801.
    - (b) Do a wiring check between these pins of connector DN27002 at the P10 panel and connector J240-A in the right AIMS cabinet (WDM 31-41-24) (SSM 31-41-06):

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### DN27002

### J240-A

pin 11 ..... pin F13  
pin 12 ..... pin G14

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the right stabilizer position indicator, N27002. To install it, do this task: Stabilizer Position Indicator Installation, AMM TASK 27-48-02-400-801.
  - 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (11) Re-install the right stabilizer position indicator, N27002. To install it, do this task: Stabilizer Position Indicator Installation, AMM TASK 27-48-02-400-801.
- (12) Do this check of the wiring:
- (a) Remove the left autothrottle servo motor (ASM), M22105. To remove it, do this task: Autothrottle Servomotor (ASM) and Gearbox Removal, AMM TASK 76-12-01-000-805-H00.
  - (b) Do a wiring check between these pins of connector DM22105 at the P10 panel and connector J240-A in the right AIMS cabinet (WDM 31-41-24) (SSM 31-41-06):

### DN22105

### J240-A

pin 4 ..... pin F13  
pin 14 ..... pin G14

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the left ASM, M22105. To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
  - 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (13) Re-install the left ASM, M22105. To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
- (14) Do this check of the wiring:
- (a) Remove the right ASM, M22205. To remove it, do this task: Autothrottle Servomotor (ASM) and Gearbox Removal, AMM TASK 76-12-01-000-805-H00.
  - (b) Do a wiring check between these pins of connector DM22205 at the P10 panel and connector J240-A in the right AIMS cabinet (WDM 31-41-24) (SSM 31-41-06):

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| <b>DN22205</b>   | <b>J240-A</b> |
|------------------|---------------|
| pin 4 . . . . .  | pin F13       |
| pin 14 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the right ASM, M22205. To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
  - 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (15) Re-install the right ASM, M22205. To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
- (16) Do this check of the wiring:

- (a) Do a wiring check between these pins of connector DN31003 at the P1 panel and connector J240-A in the right AIMS cabinet (WDM 31-41-24) (SSM 31-41-06):

| <b>DN31003</b>   | <b>J240-A</b> |
|------------------|---------------|
| pin 19 . . . . . | pin F13       |
| pin 20 . . . . . | pin G14       |

- (b) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If you do not find a problem with the wiring, then continue.
- (17) Do this check of the wiring:
- (a) Remove the left weather radar transceiver (WXR xcvr), M34116. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
- (b) Do a wiring check between these pins of connector DM34116AB at STA 142, WL 168, BL 0 and connector J240-A in the right AIMS cabinet (WDM 31-41-24) (SSM 31-41-06):

| <b>DM34116AB</b> | <b>J240-A</b> |
|------------------|---------------|
| pin J3 . . . . . | pin F13       |
| pin J4 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the left WXR xcvr, M34116. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.

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- 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (18) Re-install the left WXR xcvr, M34116. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
- (19) Do this check of the wiring:
  - (a) Remove the right weather radar transceiver (WXR xcvr), M34216. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
  - (b) Do a wiring check between these pins of connector DM34216AB at STA 155, WL 168, RBL 21 and connector J240-A in the right AIMS cabinet (WDM 31-41-24) (SSM 31-41-06):

| DM34216AB        | J240-A  |
|------------------|---------|
| pin J3 . . . . . | pin F13 |
| pin J4 . . . . . | pin G14 |
- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the right WXR xcvr, M34216. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
  - 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (20) Re-install the right WXR xcvr, M34216. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.

### — END OF TASK —

## 815. AIMS-L Output Fault On Left General Purpose #3 Bus - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-52541.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the left ATC/Mode S transponder (ATC transponder), M34107. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
- (c) Do a wiring check between these pins of connector DM34107AA at the E1-3 shelf and connector J240-A in the left AIMS cabinet (WDM 31-41-21) (SSM 31-41-03):

| <b>DM34107AA</b> | <b>J240-A</b> |
|------------------|---------------|
| pin H7 . . . . . | pin F11       |
| pin J7 . . . . . | pin G12       |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the left ATC transponder, M34107. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the left ATC transponder, M34107. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- (4) Do this check of the wiring:
- (a) Remove the right ATC/Mode S transponder (ATC transponder), M34207. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
- (b) Do a wiring check between these pins of connector DM34207AB at the E2-3 shelf and connector J240-A in the left AIMS cabinet (WDM 31-41-21) (SSM 31-41-03):

| <b>DM34207AB</b> | <b>J240-A</b> |
|------------------|---------------|
| pin A5 . . . . . | pin F11       |
| pin B5 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:

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- 1) Repair the wiring.
  - 2) Re-install the right ATC transponder, M34207. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
  - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the right ATC transponder, M34207. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- (6) Do this check of the wiring:
- (a) Remove the ground proximity warning computer (GPWC), M34004. To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34004AB at the E1-4 shelf and connector J240-A in the left AIMS cabinet (WDM 31-41-21) (SSM 31-41-03):
- | DM34004AB         | J240-A  |
|-------------------|---------|
| pin A11 . . . . . | pin F11 |
| pin B11 . . . . . | pin G12 |
- (c) Repair any wiring problems you find.
  - (d) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (e) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
  - (f) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 816. AIMS-R Output Fault On Right General Purpose #3 Bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-52542.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the left ATC/Mode S transponder (ATC transponder), M34107. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
- (c) Do a wiring check between these pins of connector DM34107AB at the E1-3 shelf and connector J240-A in the right AIMS cabinet (WDM 31-41-23) (SSM 31-41-03):

| <b>DM34107AB</b> | <b>J240-A</b> |
|------------------|---------------|
| pin A5 . . . . . | pin F11       |
| pin B5 . . . . . | pin G12       |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the left ATC transponder, M34107. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the left ATC transponder, M34107. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- (4) Do this check of the wiring:
- (a) Remove the right ATC/Mode S transponder (ATC transponder), M34207. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
- (b) Do a wiring check between these pins of connector DM34207AA at the E2-3 shelf and connector J240-A in the right AIMS cabinet (WDM 31-41-23) (SSM 31-41-03):

| <b>DM34207AA</b> | <b>J240-A</b> |
|------------------|---------------|
| pin H7 . . . . . | pin F11       |
| pin J7 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:

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- 1) Repair the wiring.
  - 2) Re-install the right ATC transponder, M34207. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
  - 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the right ATC transponder, M34207. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- (6) Do this check of the wiring:
- (a) Remove the ground proximity warning computer (GPWC), M34004. To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34004AB at the E1-4 shelf and connector J240-A in the right AIMS cabinet (WDM 31-41-23) (SSM 31-41-03):
- | <b>DM34004AB</b>  | <b>J240-A</b> |
|-------------------|---------------|
| pin A10 . . . . . | pin F11       |
| pin B10 . . . . . | pin G12       |
- (c) Repair any wiring problems you find.
  - (d) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (e) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
  - (f) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### **817. AIMS-L Output Fault On Spare Bus (Connector D6617, Pins 40 and 41) - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-54511.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
    - (a) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
    - (b) Disconnect connector D6617 at the left AIMS cabinet.
    - (c) Do a wiring check between these pins of connector D6617 at the E3-1 shelf and connector J250-B in the left AIMS cabinet:

| D6617            | J250-B  |
|------------------|---------|
| pin 40 . . . . . | pin A19 |
| pin 41 . . . . . | pin B19 |
    - (d) Repair any wiring problems you find.
    - (e) Re-connect connector D6617.
    - (f) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 818. AIMS-L Output Fault On Spare Bus (Connector D6617, Pins 18 and 19) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-54531.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
    - (a) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
    - (b) Disconnect connector D6617 at the left AIMS cabinet.
    - (c) Do a wiring check between these pins of connector D6617 at the E3-1 shelf and connector J250-A in the left AIMS cabinet:

|              |       |               |
|--------------|-------|---------------|
| <b>D6617</b> |       | <b>J250-A</b> |
| pin 18       | ..... | pin F13       |
| pin 19       | ..... | pin G14       |
    - (d) Repair any wiring problems you find.
    - (e) Re-connect connector D6617.
    - (f) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 819. AIMS-R Output Fault On Spare Bus (Connector D6717, Pins 18 and 19) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-54532.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Disconnect connector D6717 at the right AIMS cabinet.
- (c) Do a wiring check between these pins of connector D6717 at the E2-1 shelf and connector J250-A in the right AIMS cabinet:
- | <b>D6717</b>     | <b>J250-A</b> |
|------------------|---------------|
| pin 18 . . . . . | pin F13       |
| pin 19 . . . . . | pin G14       |
- (d) Repair any wiring problems you find.
- (e) Re-connect connector D6717.
- (f) Re-install the IOM(M004) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 820. AIMS-L Output Fault On CMCS-R Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-54541.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the left VHF communication transceiver (VHF comm xcvr), M23103. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
- (b) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between these pins of connector DM23103AB at the E1-3 shelf and connector J250-A in the left AIMS cabinet (WDM 45-45-21) (SSM 31-41-03):

| <b>DM23103AB</b> | <b>J250-A</b> |
|------------------|---------------|
| pin C6 . . . . . | pin F11       |
| pin D6 . . . . . | pin G12       |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the left VHF comm xcvr, M23103. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (e) If you do not find a problem with the wiring, then continue.

- (3) Re-install the left VHF comm xcvr, M23103. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.

- (4) Do this check of the wiring:

- (a) Remove the center VHF comm xcvr, M23303. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
- (b) Do a wiring check between these pins of connector DM23303AB at the E1-2 shelf and connector J250-A in the left AIMS cabinet (WDM 45-45-21) (SSM 31-41-03):

| <b>DM23303AB</b> | <b>J250-A</b> |
|------------------|---------------|
| pin C6 . . . . . | pin F11       |
| pin D6 . . . . . | pin G12       |

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- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the center VHF comm xcvr, M23303. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the center VHF comm xcvr, M23303. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- (6) Do this check of the wiring:
- (a) Remove the right VHF comm xcvr, M23203. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - (b) Do a wiring check between these pins of connector DM23203AB at the E2-3 shelf and connector J250-A in the left AIMS cabinet (WDM 45-45-21) (SSM 31-41-03):

| <b>DM23203AB</b> |       | <b>J250-A</b> |  |
|------------------|-------|---------------|--|
| pin C6           | ..... | pin F11       |  |
| pin D6           | ..... | pin G12       |  |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right VHF comm xcvr, M23203. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (7) Re-install the right VHF comm xcvr, M23203. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- (8) Do this check of the wiring:
- (a) Remove the right VOR/MB receiver, M34215. To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34215AB at the E2-3 shelf and connector J250-A in the left AIMS cabinet (WDM 45-45-21) (SSM 31-41-03):

| <b>DM34215AB</b> |       | <b>J250-A</b> |  |
|------------------|-------|---------------|--|
| pin B14          | ..... | pin F11       |  |
| pin C14          | ..... | pin G12       |  |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.

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- 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right VOR/MB receiver, M34215. To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (9) Re-install the right VOR/MB receiver, M34215. To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
- (10) Do this check of the wiring:
- (a) Remove the right multi-mode receiver (MMR), M34510. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34510AB at the E2-3 shelf and connector J250-A in the left AIMS cabinet (WDM 45-45-21) (SSM 31-41-03):
- | <b>DM34510AB</b> | <b>J250-A</b> |
|------------------|---------------|
| pin E1 . . . . . | pin F11       |
| pin F1 . . . . . | pin G12       |
- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right MMR, M34510. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (11) Re-install the right MMR, M34510. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
- (12) Do this check of the wiring:
- (a) Remove the right ADF receiver, M34208. To remove it, do this task: ADF Receiver Removal, AMM TASK 34-57-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34208AB at the E2-3 shelf and connector J250-A in the left AIMS cabinet (WDM 45-45-21) (SSM 31-41-03):
- | <b>DM34208AB</b>  | <b>J250-A</b> |
|-------------------|---------------|
| pin A14 . . . . . | pin F11       |
| pin A15 . . . . . | pin G12       |
- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right ADF receiver, M34208. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (13) Re-install the right ADF receiver, M34208. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
- (14) Do this check of the wiring:
  - (a) Remove the right DME interrogator, M34209. To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34209AB at the E2-3 shelf and connector J250-A in the left AIMS cabinet (WDM 34-61-15) (SSM 31-41-03):

| DM34209AB | J250-A  |
|-----------|---------|
| pin E6    | pin F11 |
| pin F6    | pin G12 |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right DME interrogator, M34209. To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (15) Re-install the right DME interrogator, M34209. To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
- (16) Do this check of the wiring:
  - (a) Remove the right ATC/Mode S transponder (ATC transponder), M34207. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34207AB at the E2-3 shelf and connector J250-A in the left AIMS cabinet (WDM 45-35-53) (SSM 31-41-03):

| DM34207AB | J250-A  |
|-----------|---------|
| pin A6    | pin F11 |
| pin B6    | pin G12 |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right ATC transponder, M34207. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.

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- (17) Re-install the right ATC transponder, M34207. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- (18) Do this check of the wiring:
- (a) Remove the right window heat control unit (WHCU), M30201. To remove it, do this task: Window Heat Control Unit Removal, AMM TASK 30-41-01-000-801.
  - (b) Do a wiring check between these pins of connector DM30101AB at the E2-2 shelf and connector J250-A in the left AIMS cabinet (WDM 45-45-21) (SSM 31-41-03):

| <b>DM30201AB</b> | <b>J250-A</b> |
|------------------|---------------|
| pin 25 . . . . . | pin F11       |
| pin 26 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the right WHCU, M30201. To install it, do this task: Window Heat Control Unit Installation, AMM TASK 30-41-01-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
- (19) Re-install the right WHCU, M30201. To install it, do this task: Window Heat Control Unit Installation, AMM TASK 30-41-01-400-801.
- (20) Do this check of the wiring:
- (a) Remove the right radio altimeter transceiver (RA xcvr), M34212. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34112AB at the E5-2 shelf and connector J250-A in the left AIMS cabinet (WDM 45-45-21) (SSM 31-41-03):

| <b>DM34212AB</b> | <b>J250-A</b> |
|------------------|---------------|
| pin A1 . . . . . | pin F11       |
| pin A2 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the right RA xcvr, M34212. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
- (21) Re-install the right RA xcvr, M34212. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
- (22) Do this check of the wiring:

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- (a) Remove the right HF communication transceiver (HF comm xcvr), M23201. To remove it, do this task: HF Communication Transceiver Removal, AMM TASK 23-11-05-000-801.
- (b) Do a wiring check between these pins of connector DM23201AB at the E6-1 shelf and connector J250-A in the left AIMS cabinet (WDM 45-45-21) (SSM 31-41-03):

| <b>DM23201AB</b> | <b>J250-A</b> |
|------------------|---------------|
| pin A4 . . . . . | pin F11       |
| pin B4 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right HF comm xcvr, M23201. To install it, do this task: HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (23) Re-install the right HF comm xcvr, M23201 To install it, do this task: HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801.
- (24) Do this check of the wiring:
  - (a) Remove the right weather radar transceiver (WXR xcvr), M34216. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
  - (b) Do a wiring check between these pins of connector DM34116AB at STA 155, WL 168, RBL 21 and connector J250-A in the left AIMS cabinet (WDM 45-45-21) (SSM 31-41-03):

| <b>DM34216AB</b> | <b>J250-A</b> |
|------------------|---------------|
| pin A1 . . . . . | pin F11       |
| pin B1 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right WXR xcvr, M34216. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (25) Re-install the right WXR xcvr, M34216. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.

———— **END OF TASK** ————

**821. AIMS-R Output Fault On Right Nav Tuning Bus - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-54542.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace IOM(M004) in the right AIMS cabinet.

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the right VOR/MB receiver, M34215. To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.
  - (c) Do a wiring check between these pins of connector DM34215AB at the E2-3 shelf and connector J250-A in the right AIMS cabinet (WDM 34-61-12) (SSM 31-41-06):

| <b>DM34215AB</b>  | <b>J250-A</b> |
|-------------------|---------------|
| pin B11 . . . . . | pin F11       |
| pin C11 . . . . . | pin G12       |
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M004) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right VOR/MB receiver, M34215. To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the right VOR/MB receiver, M34215. To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.

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- (4) Do this check of the wiring:
- Remove the right multi-mode receiver (MMR), M34510. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - Do a wiring check between these pins of connector DM34510AB at the E2-3 shelf and connector J250-A in the right AIMS cabinet (WDM 34-61-12) (SSM 31-41-06):

| <b>DM34510AB</b> | <b>J250-A</b> |
|------------------|---------------|
| pin J1 . . . . . | pin F11       |
| pin K1 . . . . . | pin G12       |
  - If you find a problem with the wiring, then do these steps:
    - Repair the wiring.
    - Re-install the IOM(M004) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - Re-install the right MMR, M34510. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
    - If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - If you do not find a problem with the wiring, then continue.
- (5) Re-install the right MMR, M34510. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
- (6) Do this check of the wiring:
- Remove the right ADF receiver, M34208. To remove it, do this task: ADF Receiver Removal, AMM TASK 34-57-01-000-801.
  - Do a wiring check between these pins of connector DM34208AB at the E2-3 shelf and connector J250-A in the right AIMS cabinet (WDM 34-61-12) (SSM 31-41-06):

| <b>DM34208AB</b> | <b>J250-A</b> |
|------------------|---------------|
| pin B7 . . . . . | pin F11       |
| pin B8 . . . . . | pin G12       |
  - If you find a problem with the wiring, then do these steps:
    - Repair the wiring.
    - Re-install the IOM(M004) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - Re-install the right ADF receiver, M34208. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
    - If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - If you do not find a problem with the wiring, then continue.
- (7) Re-install the right ADF receiver, M34208. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
- (8) Do this check of the wiring:
- Remove the right DME interrogator, M34209. To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.

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- (b) Do a wiring check between these pins of connector DM34209AB at the E2-3 shelf and connector J250-A in the right AIMS cabinet (WDM 34-61-12) (SSM 31-41-06):

| <b>DM34209AB</b> |       | <b>J250-A</b> |  |
|------------------|-------|---------------|--|
| pin D3           | ..... | pin F11       |  |
| pin E3           | ..... | pin G12       |  |

- (c) Repair any wiring problems you find.
- (d) Re-install the IOM(M004) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (e) Re-install the right DME interrogator, M34209. To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
- (f) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 822. AIMS-L Output Fault On Left Data Load Bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-56511.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M008) in the left AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.

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- (b) Remove the left VHF communication transceiver (VHF comm xcvr), M23103. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.

- (c) Do a wiring check between these pins of connector DM23103AB at the E1-3 shelf and connector J410-B in the left AIMS cabinet (WDM 31-41-33) (SSM 31-41-03):

| <b>DM23103AB</b> | <b>J410-B</b> |
|------------------|---------------|
| pin C2           | pin A19       |
| pin D2           | pin B19       |

- (d) If you find a problem with the wiring, then do these steps:

- 1) Repair the wiring.
- 2) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the left VHF comm xcvr, M23103. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (e) If you do not find a problem with the wiring, then continue.

- (3) Re-install the left VHF comm xcvr, M23103. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.

- (4) Do this check of the wiring:

- (a) Remove the TCAS computer, M34006. To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.

- (b) Do a wiring check between these pins of connector DM34006AE at the E1-2 shelf and connector J410-B in the left AIMS cabinet (WDM 31-41-33) (SSM 31-41-03):

| <b>DM34006AE</b> | <b>J410-B</b> |
|------------------|---------------|
| pin A8           | pin A19       |
| pin B8           | pin B19       |

- (c) If you find a problem with the wiring, then do these steps:

- 1) Repair the wiring.
- 2) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (d) If you do not find a problem with the wiring, then continue.

- (5) Re-install the TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.

- (6) Do this check of the wiring:

- (a) Remove the left satellite data unit (SDU), M23106. To remove it, do this task: Satellite Data Unit Removal, AMM TASK 23-15-10-000-801.

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- (b) Do a wiring check between these pins of connector DM23106AB at the E11-1 shelf and connector J410-B in the left AIMS cabinet (WDM 31-41-33) (SSM 31-41-03):

| <b>DM23106AB</b> | <b>J410-B</b> |
|------------------|---------------|
| pin A7 .....     | pin A19       |
| pin B7 .....     | pin B19       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (7) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
- (8) Do this check of the wiring:
- (a) Remove the flight deck printer, M31004. To remove it, do this task: Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801.
- (b) Do a wiring check between these pins of connector DM31004A at STA 198, WL 217, BL 0 in the flight compartment and connector J410-B in the left AIMS cabinet (WDM 31-41-33) (SSM 31-41-03):

| <b>DM31004A</b> | <b>J410-B</b> |
|-----------------|---------------|
| pin Z .....     | pin A19       |
| pin Y .....     | pin B19       |

- (c) Repair any wiring problems you find.
- (d) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (e) Re-install the flight deck printer, M31004. To install it, do this task: Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.
- (f) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 823. AIMS-R Output Fault On Right Data Load Bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-56512.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.

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- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
    - (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
    - (b) Remove the right VHF comm xcvr, M23203. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
    - (c) Do a wiring check between these pins of connector DM23203AB at the E2-3 shelf and connector J410-B in the right AIMS cabinet (WDM 31-41-34) (SSM 31-41-06):

#### **DM23203AB**

pin C2 ..... pin A19  
pin D2 ..... pin B19

#### **J410-B**

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M008) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the right VHF comm xcvr, M23203. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the right VHF comm xcvr, M23203. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - (4) Do this check of the wiring:
    - (a) Remove the center VHF comm xcvr, M23303. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
    - (b) Do a wiring check between these pins of connector DM23303AB at the E1-2 shelf and connector J410-B in the right AIMS cabinet (WDM 31-41-34) (SSM 31-41-06):

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### DM23303AB

pin C2 ..... pin A19  
pin D2 ..... pin B19

### J410-B

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the center VHF comm xcvr, M23303. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the center VHF xcvr, M23303. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.

### — END OF TASK —

## 824. AIMS-L Output Fault On Left Inertial Reference Bus - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-56531.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:

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- (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the ground proximity warning computer (GPWC), M34004. To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
- (c) Do a wiring check between these pins of connector DM34004AB at the E1-3 shelf and connector J410-A in the left AIMS cabinet (WDM 31-41-31) (SSM 31-41-03):

| <b>DM34004AB</b> | <b>J410-A</b> |
|------------------|---------------|
| pin A6 . . . . . | pin F13       |
| pin B6 . . . . . | pin G14       |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the TCAS computer, M34006. To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34006AE at the E1-2 shelf and connector J410-A in the left AIMS cabinet (WDM 31-41-31) (SSM 31-41-03):

| <b>DM34006AE</b> | <b>J410-A</b> |
|------------------|---------------|
| pin A7 . . . . . | pin F13       |
| pin B7 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
- (6) Do this check of the wiring:
  - (a) Remove the left WEATHER RADAR Tansceiver, M34116. To remove it,

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These are the tasks:

WXR Transceiver Removal, AMM TASK 34-43-02-000-801,

WXR Transceiver Installation, AMM TASK 34-43-02-400-801.

- (b) Do a wiring check between these pins of connector DM34116AB at the STA 142, WL 168, BL 0 and connector J410-A in the left AIMS cabinet (WDM 31-41-31) (SSM 31-41-03):

| <b>DM34116AB</b>  | <b>J410-A</b> |
|-------------------|---------------|
| pin J11 . . . . . | pin F13       |
| pin J12 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:

- 1) Repair the wiring.
- 2) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the left WEATHER RADAR Transceiver, M34116. To install it,

These are the tasks:

WXR Transceiver Installation, AMM TASK 34-43-02-400-801,

WXR Transceiver Removal, AMM TASK 34-43-02-000-801.

- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (d) If you do not find a problem with the wiring, then continue.

- (7) Re-install the left WEATHER RADAR Transceiver, M34116. To install it,

These are the tasks:

WXR Transceiver Installation, AMM TASK 34-43-02-400-801,

WXR Transceiver Removal, AMM TASK 34-43-02-000-801.

- (8) Do this check of the wiring:

- (a) Remove the left satellite data unit (SDU), M23106. To remove it, do this task: Satellite Data Unit Removal, AMM TASK 23-15-10-000-801.

- (b) Do a wiring check between these pins of connector DM23106AB at the E11-1 shelf and connector J410-A in the left AIMS cabinet (WDM 31-41-31) (SSM 31-41-03):

| <b>DM23106AB</b> | <b>J410-A</b> |
|------------------|---------------|
| pin A6 . . . . . | pin F13       |
| pin B6 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:

- 1) Repair the wiring.
- 2) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (d) If you do not find a problem with the wiring, then continue.

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- (9) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
- (10) Do this check of the wiring:
- (a) Remove the left multi-mode receiver (MMR), M34410. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
- (b) Do a wiring check between these pins of connector DM34410AB on shelf E1-2 and connector J410-A in the left AIMS cabinet (WDM 31-41-31) (SSM 31-41-03):

| <b>DM34410AB</b> | <b>J410-A</b> |
|------------------|---------------|
| pin A8 . . . . . | pin F13       |
| pin B8 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left MMR, M34410. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (11) Re-install the left MMR, M34410. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
- (12) Do this check of the wiring:
- (a) Remove the right WEATHER RADAR Transceiver, M34216. To remove it, These are the tasks:  
WXR Transceiver Removal, AMM TASK 34-43-02-000-801,  
WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
- (b) Do a wiring check between these pins of connector DM34216AB at the STA 155, WL 168, RBL 21 and connector J410-A in the left AIMS cabinet (WDM 31-41-31) (SSM 31-41-03):

| <b>DM34216AB</b>  | <b>J410-A</b> |
|-------------------|---------------|
| pin G13 . . . . . | pin F13       |
| pin G12 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right WEATHER RADAR Transceiver, M34216. To install it, These are the tasks:  
WXR Transceiver Installation, AMM TASK 34-43-02-400-801,  
WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (d) If you do not find a problem with the wiring, then continue.
- (13) Re-install the right WEATHER RADAR Transceiver, M34216. To install it, These are the tasks:  
WXR Transceiver Installation, AMM TASK 34-43-02-400-801,  
WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
- (14) Do this check of the wiring:
- (a) Remove the right multi-mode receiver (MMR), M34510. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
- (b) Do a wiring check between these pins of connector DM34510AB on shelf E2-3 and connector J410-A in the left AIMS cabinet (WDM 31-41-31) (SSM 31-41-03):
- | DM34510AB        | J410-A  |
|------------------|---------|
| pin A8 . . . . . | pin F13 |
| pin B8 . . . . . | pin G14 |
- (c) Repair any wiring problems you find.
- (d) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (e) Re-install the right MMR, M34510. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
- (f) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ———— END OF TASK ————

## 825. AIMS-R Output Fault On Right Inertial Reference Bus - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-56532.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

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Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the ground proximity warning computer (GPWC), M34004. To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
  - (c) Do a wiring check between these pins of connector DM34004AB at the E1-4 shelf and connector J410-A in the right AIMS cabinet (WDM 31-41-31) (SSM 31-41-06):

| <b>DM34004AB</b> | <b>J410-A</b> |
|------------------|---------------|
| pin C10 .....    | pin F13       |
| pin D10 .....    | pin G14       |

- (d) If you find a problem with the wiring, then do these steps:
      - 1) Repair the wiring.
      - 2) Re-install the IOM(M008) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
      - 3) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
      - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - (e) If you do not find a problem with the wiring, then continue.
  - (3) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
  - (4) Do this check of the wiring:

- (a) Do a wiring check between these pins of connector DM23080AA at the E2-4 shelf and connector J410-A in the right AIMS cabinet (WDM 31-41-32) (SSM 31-41-06):

| <b>DM23080AA</b> | <b>J410-A</b> |
|------------------|---------------|
| pin 34 .....     | pin F13       |
| pin 35 .....     | pin G14       |

- (b) If you find a problem with the wiring, then do these steps:
        - 1) Repair the wiring.
        - 2) Re-install the IOM(M008) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
        - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
      - (c) If you do not find a problem with the wiring, then continue.
    - (5) Do this check of the wiring:
      - (a) Remove the left satellite data unit (SDU), M23106. To remove it, do this task: Satellite Data Unit Removal, AMM TASK 23-15-10-000-801.

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- (b) Do a wiring check between these pins of connector DM23106AB at the E11-1 shelf and connector J410-A in the right AIMS cabinet (WDM 31-41-32) (SSM 31-41-06):

| <b>DM23106AB</b> | <b>J410-A</b> |
|------------------|---------------|
| pin C6 .....     | pin F13       |
| pin D6 .....     | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M008) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (6) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
- (7) Do this check of the wiring:
- (a) Remove the left weather radar transceiver (WXR xcvr), M34116. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
- (b) Do a wiring check between these pins of connector DM34116AB at STA 142, WL 168, BL 0 and connector J410-A in the right AIMS cabinet (WDM 31-41-32) (SSM 31-41-06):

| <b>DM34116AB</b> | <b>J410-A</b> |
|------------------|---------------|
| pin G12 .....    | pin F13       |
| pin G13 .....    | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M008) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left WXR xcvr, M34116. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (8) Re-install the left WXR xcvr, M34116. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
- (9) Do this check of the wiring:
- (a) Remove the right weather radar transceiver (WXR xcvr), M34216. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
- (b) Do a wiring check between these pins of connector DM34116AB at STA 155, WL 168, RBL 21 and connector J410-A in the right AIMS cabinet (WDM 31-41-32) (SSM 31-41-06):

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| <b>DM34216AB</b> | <b>J410-A</b> |
|------------------|---------------|
| pin J11 .....    | pin F13       |
| pin J12 .....    | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right WXR xcvr, M34216. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (10) Re-install the right WXR xcvr, M34216. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
- (11) Do this check of the wiring:
  - (a) Remove the left multi-mode receiver (MMR), M34410. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34410AB at shelf E1-2 and connector J410-A in the right AIMS cabinet (WDM 31-41-32) (SSM 31-41-06):

| <b>DM34410AB</b> | <b>J410-A</b> |
|------------------|---------------|
| pin G8 .....     | pin F13       |
| pin H8 .....     | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left MMR, M34410. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (12) Re-install the left MMR, M34410. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
- (13) Do this check of the wiring:
  - (a) Remove the right multi-mode receiver (MMR), M34510. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34510AB at shelf E2-3 and connector J410-A in the right AIMS cabinet (WDM 31-41-32) (SSM 31-41-06):

| <b>DM34510AB</b> | <b>J410-A</b> |
|------------------|---------------|
| pin G8 .....     | pin F13       |
| pin H8 .....     | pin G14       |

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- (c) Repair any wiring problems you find.
- (d) Re-install the IOM(M008) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (e) Re-install the right MMR, M34510. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
- (f) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 826. AIMS-L Output Fault On Center CMCS Cabinet Bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-56541.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M008) in the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the center radio altimeter transceiver (RA xcvr), M34312. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
  - (c) Do a wiring check between these pins of connector DM34312AB at the E5-3 shelf and connector J410-A in the left AIMS cabinet (WDM 45-45-31) (SSM 31-41-03):

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### DM34112AB

### J410-A

|        |       |         |
|--------|-------|---------|
| pin A1 | ..... | pin F11 |
| pin A2 | ..... | pin G12 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the center RA xcvr, M34312. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the center RA xcvr, M34312. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the center multi-mode receiver (MMR), M34610. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34610AB at the E1-3 shelf and connector J410-A in the left AIMS cabinet (WDM 45-45-31) (SSM 31-41-03):

### DM34610AB

### J410-A

|        |       |         |
|--------|-------|---------|
| pin E1 | ..... | pin F11 |
| pin F1 | ..... | pin G12 |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the center MMR, M34610. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the center MMR, M34610. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
- (6) Do this check of the wiring:
  - (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the ground proximity warning computer (GPWC), M34004. To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
  - (c) Do a wiring check between these pins of connector DM34004AA at the E1-4 shelf and connector J410-A in the left AIMS cabinet (WDM 31-41-32) (SSM 31-41-03):

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### DM34004AA

pin A9 ..... pin F11  
pin B9 ..... pin G12

### J410-A

- (d) Repair any wiring problems you find.
- (e) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (f) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
- (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

## 827. AIMS-R Output Fault On Center NAV Tuning Cross Cabinet Bus - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-56542.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M008) in the right AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the center multi-mode receiver (MMR), M34610. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.

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- (c) Do a wiring check between these pins of connector DM34610AB at the E1-3 shelf and connector J410-A in the left AIMS cabinet (WDM 34-16-13) (SSM 31-41-06):

| DM34610AB    | J410-A  |
|--------------|---------|
| pin J1 ..... | pin F11 |
| pin K1 ..... | pin G12 |

- (d) Repair any wiring problems you find.
- (e) Re-install the IOM(M008) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (f) Re-install the center MMR, M34610. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
- (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 828. AIMS-L Output Fault On Spare Bus (Connector D6605, Pins 35 and 36) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-58501.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M009) in the left AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Disconnect connector D6605 at the left AIMS cabinet.

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- (c) Do a wiring check between these pins of connector D6605 at the E3-1 shelf and connector J420-B in the left AIMS cabinet :

| <b>D6605</b> | <b>J420-B</b> |
|--------------|---------------|
| pin 35 ..... | pin F11       |
| pin 36 ..... | pin G12       |

- (d) Repair any wiring problems you find.
- (e) Re-connect connector D6605.
- (f) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 829. AIMS-R Output Fault On Spare Bus (Connector D6705, Pins 35 and 36) - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-58502.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M009) in the right AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Disconnect connector D6705 at the right AIMS cabinet.

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- (c) Do a wiring check between these pins of connector D6705 at the E2-1 shelf and connector J420-B in the right AIMS cabinet :

| D6705        | J420-B  |
|--------------|---------|
| pin 35 ..... | pin F11 |
| pin 36 ..... | pin G12 |

- (d) Repair any wiring problems you find.
- (e) Re-connect connector D6705.
- (f) Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 830. AIMS-R Output Fault On Spare Bus (Connector D6705, Pins 40 and 41) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-58512.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M009) in the right AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Disconnect connector D6705 at the right AIMS cabinet.

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- (c) Do a wiring check between these pins of connector D6705 at the E2-1 panel and connector J420-B in the right AIMS cabinet:

| <b>D6705</b> | <b>J420-B</b> |
|--------------|---------------|
| pin 40 ..... | pin A19       |
| pin 41 ..... | pin B19       |

- (d) Repair any wiring problems you find.
- (e) Re-connect connector D6705.
- (f) Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 831. AIMS-L Output Fault On DCMF-L Bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-58531.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M009) in the left AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the right VHF communication transceiver (VHF comm xcvr), M23203. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.

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- (c) Do a wiring check between these pins of connector DM23203AB at the E2-3 shelf and connector J420-A in the left AIMS cabinet (WDM 23-27-11) (SSM 31-41-03):

| <b>DM23203AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin A12 .....    | pin F13       |
| pin B12 .....    | pin G14       |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right VHF comm xcvr, M23203. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the right VHF comm xcvr, M23203. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- (4) Do this check of the wiring:
- (a) Remove the center VHF comm xcvr, M23303. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
- (b) Do a wiring check between these pins of connector DM23303AB at the E1-2 shelf and connector J420-A in the left AIMS cabinet (WDM 23-27-11) (SSM 31-41-03):

| <b>DM23303AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin A12 .....    | pin F13       |
| pin B12 .....    | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the center VHF comm xcvr, M23303. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the center VHF comm xcvr, M23303. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- (6) Do this check of the wiring:
- (a) Remove the left satellite data unit (SDU), M23106. To remove it, do this task: Satellite Data Unit Removal, AMM TASK 23-15-10-000-801.
- (b) Do a wiring check between these pins of connector DM23106AB at the E11-1 shelf and connector J420-A in the left AIMS cabinet (WDM 23-27-11) (SSM 31-41-03):

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### DM23106AB

### J420-A

|        |       |         |
|--------|-------|---------|
| pin G1 | ..... | pin F13 |
| pin H1 | ..... | pin G14 |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (7) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
- (8) Do this check of the wiring:
- (a) Remove the flight deck printer, M31004. To remove it, do this task: Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801.
  - (b) Do a wiring check between these pins of connector DM31004A at STA 198, WL 217, BL 0 in the flight compartment and connector J420-A in the left AIMS cabinet (WDM 23-27-11) (SSM 31-41-03):

### DM31004A

### J420-A

|        |       |         |
|--------|-------|---------|
| pin JJ | ..... | pin F13 |
| pin PP | ..... | pin G14 |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the flight deck printer, M31004. To install it, do this task: Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

## 832. AIMS-R Output Fault On DCMF-R Bus - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-58532.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.

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- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
    - (a) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
    - (b) Remove the right VHF communication transceiver (VHF comm xcvr), M23203. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
    - (c) Do a wiring check between these pins of connector DM23203AB at the E2-3 shelf and connector J420-A in the right AIMS cabinet (WDM 23-27-12) (SSM 31-41-06):

|                  |               |
|------------------|---------------|
| <b>DM23203AB</b> | <b>J420-A</b> |
| pin C12          | pin F13       |
| pin D12          | pin G14       |
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the right VHF comm xcvr, M23203. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the right VHF comm xcvr, M23203. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - (4) Do this check of the wiring:
    - (a) Remove the center VHF comm xcvr, M23303. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
    - (b) Do a wiring check between these pins of connector DM23303AB at the E1-2 shelf and connector J420-A in the right AIMS cabinet (WDM 23-27-12) (SSM 31-41-06):

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### DM23303AB

### J420-A

|         |       |         |
|---------|-------|---------|
| pin C12 | ..... | pin F13 |
| pin D12 | ..... | pin G14 |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the center VHF comm xcvr, M23303. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the center VHF comm xcvr, M23303. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- (6) Do this check of the wiring:
- (a) Remove the left satellite data unit (SDU), M23106. To remove it, do this task: Satellite Data Unit Removal, AMM TASK 23-15-10-000-801.
  - (b) Do a wiring check between these pins of connector DM23106AB at the E11-1 shelf and connector J420-A in the right AIMS cabinet (WDM 23-27-12) (SSM 31-41-06):

### DM23106AB

### J420-A

|        |       |         |
|--------|-------|---------|
| pin G3 | ..... | pin F13 |
| pin H3 | ..... | pin G14 |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (7) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
- (8) Do this check of the wiring:
- (a) Remove the right ATC/Mode S transponder (ATC transponder), M34207. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34207AA at the E2-3 shelf and connector J420-A in the right AIMS cabinet (WDM 23-27-12) (SSM 31-41-06):

### DM34207AA

### J420-A

|        |       |         |
|--------|-------|---------|
| pin A2 | ..... | pin F13 |
| pin B2 | ..... | pin G14 |

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- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right ATC transponder, M34207. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (9) Re-install the right ATC transponder, M34207. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- (10) Do this check of the wiring:
  - (a) Remove the flight deck printer, M31004. To remove it, do this task: Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801.
  - (b) Do a wiring check between these pins of connector DM31004A at STA 198, WL 217, BL 0 in the flight compartment and connector J420-A in the right AIMS cabinet (WDM 23-27-12) (SSM 31-41-06):

| <b>DM31004A</b> | <b>J420-A</b> |
|-----------------|---------------|
| pin Z . . . . . | pin F13       |
| pin Y . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the flight deck printer, M31004. To install it, do this task: Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (11) Re-install the flight deck printer, M31004. To install it, do this task: Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.
- (12) Do this check of the wiring:
  - (a) Do a wiring check between these pins of connector DM23443AA at the E15 shelf and connector J420-A in the right AIMS cabinet (WDM 23-27-12) (SSM 31-41-06):

| <b>DM23443AA</b> | <b>J420-A</b> |
|------------------|---------------|
| pin 56 . . . . . | pin F13       |
| pin 57 . . . . . | pin G14       |

- (b) Repair any wiring problems you find.
- (c) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

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##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-58541.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the left VHF communication transceiver (VHF comm xcvr), M23103. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
- (b) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between these pins of connector DM23103AB at the P1-3 panel and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):
- | DM23103AB | J420-A  |
|-----------|---------|
| pin A6    | pin F11 |
| pin B6    | pin G12 |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- 3) Re-install the left VHF comm xcvr, M23103. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the left VHF comm xcvr, M23103. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the right VHF comm xcvr, M23203. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - (b) Do a wiring check between these pins of connector DM23203AB at the E2-3 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

| <b>DM23203AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin A6 . . . . . | pin F11       |
| pin B6 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right VHF comm xcvr, M23203. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the right VHF comm xcvr, M23203. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- (6) Do this check of the wiring:
  - (a) Remove the center VHF comm xcvr, M23303. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - (b) Do a wiring check between these pins of connector DM23303AB at the E1-2 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

| <b>DM23303AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin A6 . . . . . | pin F11       |
| pin B6 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the center VHF comm xcvr, M23303. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (d) If you do not find a problem with the wiring, then continue.
- (7) Re-install the center VHF comm xcvr, M23303. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- (8) Do this check of the wiring:
- (a) Remove the left HF communication transceiver (HF comm xcvr), M23101. To remove it, do this task: HF Communication Transceiver Removal, AMM TASK 23-11-05-000-801.
  - (b) Do a wiring check between these pins of connector DM23101AB at the E6-1 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):
- | <b>DM23101AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin A4 . . . . . | pin F11       |
| pin B6 . . . . . | pin G12       |
- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left HF comm xcvr, M23101. To install it, do this task: HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (9) Re-install the left HF comm xcvr, M23101 To install it, do this task: HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801.
- (10) Do this check of the wiring:
- (a) Remove the left satellite data unit (SDU), M23106. To remove it, do this task: Satellite Data Unit Removal, AMM TASK 23-15-10-000-801.
  - (b) Do a wiring check between these pins of connector DM23106AB at the E11-1 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):
- | <b>DM23106AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin C4 . . . . . | pin F11       |
| pin D4 . . . . . | pin G12       |
- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (11) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.

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(12) Do this check of the wiring:

- (a) Remove the flight deck printer, M31004. To remove it, do this task: Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801.
- (b) Do a wiring check between these pins of connector DM31004A at STA 198, WL 217, BL 0 in the flight compartment and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

| <b>DM31004A</b> | <b>J420-A</b> |
|-----------------|---------------|
| pin K . . . . . | pin F11       |
| pin M . . . . . | pin G12       |

(c) If you find a problem with the wiring, then do these steps:

- 1) Repair the wiring.
- 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the flight deck printer, M31004. To install it, do this task: Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

(d) If you do not find a problem with the wiring, then continue.

(13) Re-install the flight deck printer, M31004. To install it, do this task: Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.

(14) Do this check of the wiring:

- (a) Remove the left window heat control unit (WHCU), M30101. To remove it, do this task: Window Heat Control Unit Removal, AMM TASK 30-41-01-000-801.
- (b) Do a wiring check between these pins of connector DM30101AB at the E1-1 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

| <b>DM30101AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin 25 . . . . . | pin F11       |
| pin 26 . . . . . | pin G14       |

(c) If you find a problem with the wiring, then do these steps:

- 1) Repair the wiring.
- 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the left WHCU, M30101. To install it, do this task: Window Heat Control Unit Installation, AMM TASK 30-41-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

(d) If you do not find a problem with the wiring, then continue.

(15) Re-install the left WHCU, M30101. To install it, do this task: Window Heat Control Unit Installation, AMM TASK 30-41-01-400-801.

(16) Do this check of the wiring:

- (a) Remove the left radio altimeter transceiver (RA xcvr), M34112. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.

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- (b) Do a wiring check between these pins of connector DM34112AB at the E5-4 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

| <b>DM34112AB</b> |       | <b>J420-A</b> |
|------------------|-------|---------------|
| pin A1           | ..... | pin F11       |
| pin A2           | ..... | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left RA xcvr, M34112. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (17) Re-install the left RA xcvr, M34112. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
- (18) Do this check of the wiring:
- (a) Remove the left weather radar transceiver (WXR xcvr), M34116. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
- (b) Do a wiring check between these pins of connector DM34116AB at STA 142, WL 168, BL 0 and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

| <b>DM34116AB</b> |       | <b>J420-A</b> |
|------------------|-------|---------------|
| pin A1           | ..... | pin F11       |
| pin B1           | ..... | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left WXR xcvr, M34116. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (19) Re-install the left WXR xcvr, M34116. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
- (20) Do this check of the wiring:
- (a) Remove the TCAS computer, M34006. To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
- (b) Do a wiring check between these pins of connector DM34006AF at the E1-2 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

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### DM34006AF

|        |       |         |
|--------|-------|---------|
| pin G6 | ..... | pin F11 |
| pin H6 | ..... | pin G12 |

### J420-A

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (21) Re-install the TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
- (22) Do this check of the wiring:
- (a) Remove the left VOR/MB receiver, M34115. To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34115AB at the E1-3 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

### DM34115AB

|         |       |         |
|---------|-------|---------|
| pin B14 | ..... | pin F11 |
| pin C14 | ..... | pin G12 |

### J420-A

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left VOR/MB receiver, M34115. To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (23) Re-install the left VOR/MB receiver, M34115. To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
- (24) Do this check of the wiring:
- (a) Remove the left multi-mode receiver (MMR), M34410. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34410AB at the E1-2 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

### DM34410AB

|        |       |         |
|--------|-------|---------|
| pin E1 | ..... | pin F11 |
| pin F1 | ..... | pin G12 |

### J420-A

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- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left MMR, M34410. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (25) Re-install the left MMR, M34410. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
- (26) Do this check of the wiring:
- (a) Remove the left ADF receiver, M34108. To remove it, do this task: ADF Receiver Removal, AMM TASK 34-57-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34108AB at the E1-2 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

| <b>DM34108AB</b>  | <b>J420-A</b> |
|-------------------|---------------|
| pin A14 . . . . . | pin F11       |
| pin A15 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left ADF receiver, M34108. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (27) Re-install the left ADF receiver, M34108. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
- (28) Do this check of the wiring:
- (a) Remove the left DME interrogator, M34109. To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34109AB at the E1-2 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

| <b>DM34109AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin E6 . . . . . | pin F11       |
| pin F6 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.

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- 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left DME interrogator, M34109. To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (29) Re-install the left DME interrogator, M34109. To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
- (30) Do this check of the wiring:
- (a) Remove the left ATC/Mode S transponder (ATC transponder), M34107. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34107AB at the E1-3 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

| DM34107AB        | J420-A  |
|------------------|---------|
| pin A6 . . . . . | pin F11 |
| pin B6 . . . . . | pin G12 |

- (c) Repair any wiring problems you find.
- (d) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (e) Re-install the left ATC transponder, M34107. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- (f) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 834. AIMS-R Output Fault On Left Nav Tuning Bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-58542.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

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- (1) Replace IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (2) Do this check of the wiring:

- (a) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.

- (b) Remove the left VOR/MB receiver, M34115. To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.

- (c) Do a wiring check between these pins of connector DM34115AB at the E1-3 shelf and connector J420-A in the right AIMS cabinet (WDM 34-61-11) (SSM 31-41-06):

| <b>DM34115AB</b>  | <b>J420-A</b> |
|-------------------|---------------|
| pin B11 . . . . . | pin F11       |
| pin C11 . . . . . | pin G12       |

- (d) If you find a problem with the wiring, then do these steps:

- 1) Repair the wiring.
- 2) Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the left VOR/MB receiver, M34115. To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (e) If you do not find a problem with the wiring, then continue.

- (3) Re-install the left VOR/MB receiver, M34115. To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.

- (4) Do this check of the wiring:

- (a) Remove the left multi-mode receiver (MMR), M34410. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.

- (b) Do a wiring check between these pins of connector DM34410AB at the E1-2 shelf and connector J420-A in the right AIMS cabinet (WDM 34-61-11) (SSM 31-41-06):

| <b>DM34410AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin J1 . . . . . | pin F11       |
| pin K1 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:

- 1) Repair the wiring.
- 2) Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- 3) Re-install the left MMR, M34410. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the left MMR, M34410. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
- (6) Do this check of the wiring:
  - (a) Remove the left ADF receiver, M34108. To remove it, do this task: ADF Receiver Removal, AMM TASK 34-57-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34108AB at the E1-2 shelf and connector J420-A in the right AIMS cabinet (WDM 34-61-11) (SSM 31-41-06):

| <b>DM34108AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin B7 . . . . . | pin F11       |
| pin B8 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left ADF receiver, M34108. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (7) Re-install the left ADF receiver, M34108. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
- (8) Do this check of the wiring:
  - (a) Remove the left DME interrogator, M34109. To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34109AB at the E1-2 shelf and connector J420-A in the right AIMS cabinet (WDM 34-61-11) (SSM 31-41-06):

| <b>DM34109AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin D3 . . . . . | pin F11       |
| pin E3 . . . . . | pin G12       |

- (c) Repair any wiring problems you find.
- (d) Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (e) Re-install the left DME interrogator, M34109. To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
- (f) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

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### 835. AIMS-L (M008, M010, M011) Internal Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-61041.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the CPM/GG(M010) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/GG(M011) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 836. AIMS-R (M008, M010, M011) Internal Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-61042.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the CPM/GG(M010) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/GG(M011) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 837. AIMS-L (M004, M010, M011) Internal Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-61051.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Replace the CPM/GG(M010) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/GG(M011) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 838. AIMS-R (M004, M010, M011) Internal Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-61052.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the CPM/GG(M010) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/GG(M011) in the right AIMS cabinet.  
These are the tasks:  
Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,  
Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M004) in the right AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 839. AIMS-L (M003, M010, M011) Internal Fault - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-61061.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the CPM/GG(M010) in the left AIMS cabinet.  
These are the tasks:  
Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,  
Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/GG(M011) in the left AIMS cabinet.  
These are the tasks:  
Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

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Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M003) in the left AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 840. AIMS-R (M003, M010, M011) Internal Fault - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-61062.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the CPM/GG(M010) in the right AIMS cabinet.
- These are the tasks:
- Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,  
Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/GG(M011) in the right AIMS cabinet.
- These are the tasks:
- Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,  
Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M003) in the right AIMS cabinet.
- These are the tasks:

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Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### **841. DCGF In AIMS-L Internal Software Fault - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-61071.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Do this ground test on the MAT:
  - (a) 31 AIMS - Left AIMS, System Test, CPM/GG(M010) in Left AIMS Module Reset.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this ground test on the MAT:
  - (a) 31 AIMS - Left AIMS, System Test, CPM/GG(M011) in Left AIMS Module Reset.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### **842. DCGF In AIMS-R Internal Software Fault - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-61072.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Do this ground test on the MAT:
  - (a) 31 AIMS - Right AIMS, System Test, CPM/GG(M010) in Right AIMS Module Reset.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this ground test on the MAT:
  - (a) 31 AIMS - Right AIMS, System Test, CPM/GG(M011) in Right AIMS Module Reset.

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- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 843. DCGF-2 In AIMS-L Incorrect Software Configuration - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-62011.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Do a check of the system configuration for this system on the MAT: 31 AIMS - Left AIMS
- (a) Find CPM/STD (M002) in Left AIMS on the display and make sure that the software part numbers are correct.
- (b) If a part number is incorrect, install software in the CPM/STD (M002) in the left AIMS cabinet. To install the software, do this task: Core Processor Module/Standard Software Installation, AMM TASK 31-41-05-420-801.
- (2) Do a check of the system configuration for this system on the MAT: 31 AIMS - Left AIMS
- (a) Find CPM/Comm(M001) in Left AIMS on the display and make sure that the software part numbers are correct.
- (b) If a part number is incorrect, install software in the CPM/Comm(M001) in the left AIMS cabinet. To install the software, do this task: Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804.

————— END OF TASK —————

### 844. DCGF-2 In AIMS-R Incorrect Software Configuration - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-62012.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Do a check of the system configuration for this system on the MAT: 31 AIMS - Right AIMS
- (a) Find CPM/STD in Right AIMS on the display and make sure that the software part numbers are correct.
- (b) If a part number is incorrect, install software in the CPM/STD (M002) in the Right AIMS cabinet. To install the software, do this task: Core Processor Module/Standard Software Installation, AMM TASK 31-41-05-420-801.
- (2) Do a check of the system configuration for this system on the MAT: 31 AIMS - Right AIMS

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- (a) Find CPM/Comm(M001) in Right AIMS on the display and make sure that the software part numbers are correct.
- (b) If a part number is incorrect, install software in the CPM/Comm(M001) in the Right AIMS cabinet. To install the software, do this task: Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804.

————— END OF TASK —————

### 845. DCGF-2 In AIMS-L and AIMS-R Incorrect Software Configuration - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-62020.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Do a check of the system configuration for this system on the MAT: 31 AIMS - Left AIMS
  - (a) Find CPM/STD (M002) in Left AIMS on the display and make sure that the software part numbers are correct.
  - (b) If a part number is incorrect, install software in the CPM/STD (M002) in the left AIMS cabinet. To install the software, do this task: Core Processor Module/Standard Software Installation, AMM TASK 31-41-05-420-801.
- (2) Do a check of the system configuration for this system on the MAT: 31 AIMS - Right AIMS
  - (a) Find CPM/STD (M002) in Right AIMS on the display and make sure that the software part numbers are correct.
  - (b) If a part number is incorrect, install software in the CPM/STD (M002) in the Right AIMS cabinet. To install the software, do this task: Core Processor Module/Standard Software Installation, AMM TASK 31-41-05-420-801.
- (3) Do a check of the system configuration for this system on the MAT: 31 AIMS - Left AIMS
  - (a) Find CPM/Comm(M001) in Left AIMS on the display and make sure that the software part numbers are correct.
  - (b) If a part number is incorrect, install software in the CPM/Comm(M001) in the left AIMS cabinet. To install the software, do this task: Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804.
- (4) Do a check of the system configuration for this system on the MAT: 31 AIMS - Right AIMS
  - (a) Find CPM/Comm(M001) in Right AIMS on the display and make sure that the software part numbers are correct.
  - (b) If a part number is incorrect, install software in the CPM/Comm(M001) in the Right AIMS cabinet. To install the software, do this task: Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804.

————— END OF TASK —————

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### 846. AIMS-L (M001, M002, M004) Internal Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-62031.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the CPM/STD (M002) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/Comm (M001) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM (M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 847. AIMS-R (M001, M002, M004) Internal Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-62032.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Replace the CPM/STD (M002) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/Comm(M001) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 848. AIMS-L (M001, M002, M003) Internal Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-62041.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the CPM/STD (M002) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/Comm(M001) in the left AIMS cabinet.

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These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 849. AIMS-R (M001, M002, M003) Internal Fault - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-62042.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the CPM/STD (M002) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/Comm(M001) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M003) in the right AIMS cabinet.

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These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 850. DCGF In AIMS-L Internal Software Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-62071.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Do these steps:
  - (a) Make these selections on the MAT to make sure the right CMCF is in control: OTHER FUNCTIONS, MAINTENANCE COMPUTER SWITCH CONTROL.  
NOTE: You must reset the CPM/Comm from the off-side CMCF.
    - 1) If the display shows that the left CMCF is in control, select SWITCH TO RIGHT.
    - 2) If the display shows that the right CMCF is in control, then select GO BACK.
  - (b) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, CPM/Comm(M001) in Left AIMS Module Reset.  
NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this ground test on the MAT:
  - (a) 31 AIMS - Left AIMS, System Test, CPM/STD (M002) in Left AIMS Module Reset.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 851. DCGF In AIMS-R Internal Software Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-62072.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Do this ground test on the MAT:
  - (a) Make these selections on the MAT to make sure the left CMCF is in control: OTHER FUNCTIONS, MAINTENANCE COMPUTER SWITCH CONTROL.  
NOTE: You must reset the CPM/Comm from the off-side CMCF.
    - 1) If the display shows that the right CMCF is in control, select SWITCH TO LEFT.
    - 2) If the display shows that the left CMCF is in control, then select GO BACK.
  - (b) 31 AIMS - Right AIMS, System Test, CPM/Comm(M001) in Right AIMS Module Reset.
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this ground test on the MAT:
  - (a) 31 AIMS - Right AIMS, System Test, CPM/STD (M002) in Right AIMS Reset.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 852. AIMS-L Internal Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-50201, 31-50203.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Do these steps to isolate the CPM/Comm(M001) in the left AIMS cabinet.
  - (a) Remove the CPM/Comm(M001) in the left AIMS cabinet. To remove it, do this task: Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802.
  - (b) Remove the safety tags and close these circuit breakers:

#### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

NOTE: Other maintenance messages related to the CPM/Comm(M001) will show.

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- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then do these steps:

- 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- 2) Install a new CPM/Comm(M001) in the left AIMS cabinet. To install it, do this task: Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802.
- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (d) If the MAT shows ACTIVE for the maintenance message, then do these steps:

- 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- 2) Re-install the CPM/Comm(M001) in the left AIMS cabinet. To install it, do this task: Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802.

- (2) Do these steps to isolate the CPM/STD (M002) in the left AIMS cabinet.

- (a) Remove the CPM/STD (M002) in the left AIMS cabinet. To remove it, do this task: Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801.
- (b) Remove the safety tags and close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

NOTE: Other maintenance messages related to the CPM/STD (M002) will show.

- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then do these steps:

- 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |

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| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- 2) Install a new CPM/STD (M002) in the left AIMS cabinet. To install it, do this task: Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If the MAT shows ACTIVE for the maintenance message, then do these steps:
- 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- 2) Re-install the CPM/STD (M002) in the left AIMS cabinet. To install it, do this task: Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.
- (3) Do these steps to isolate the IOM(M003) in the left AIMS cabinet.
- (a) Remove the IOM(M003) in the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the safety tags and close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

**NOTE:** Other maintenance messages related to the IOM(M003) will show.

- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then do these steps:
- 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- 2) Install a new IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If the MAT shows ACTIVE for the maintenance message, then do these steps:
  - 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- 2) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Do these steps to isolate the IOM(M004) in the left AIMS cabinet.
  - (a) Remove the IOM(M004) in the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the safety tags and close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

**NOTE:** Other maintenance messages related to the IOM(M004) will show.

- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then do these steps:
  - 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- 2) Install a new IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If the MAT shows ACTIVE for the maintenance message, then do these steps:
  - 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |

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| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Do these steps to isolate the IOM(M008) in the left AIMS cabinet.
  - (a) Remove the IOM(M008) in the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the safety tags and close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

NOTE: Other maintenance messages related to the IOM(M008) will show.

- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then do these steps:
  - 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- 2) Install a new IOM(M008) in the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If the MAT shows ACTIVE for the maintenance message, then do these steps:
  - 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- 2) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (6) Do these steps to isolate the IOM(M009) in the left AIMS cabinet.

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- (a) Remove the IOM(M009) in the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the safety tags and close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

NOTE: Other maintenance messages related to the IOM(M009) will show.

- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then do these steps:
  - 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- 2) Install a new IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If the MAT shows ACTIVE for the maintenance message, then do these steps:
  - 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (7) Do these steps to isolate the CPM/GG(M010) in the left AIMS cabinet.
  - (a) Remove the CPM/GG(M010) in the left AIMS cabinet. To remove it, do this task: Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801.
  - (b) Remove the safety tags and close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |

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| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

**NOTE:** Other maintenance messages related to the CPM/GG(M010) will show.

- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then do these steps:

- 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- 2) Install a new CPM/GG(M010) in the left AIMS cabinet. To install it, do this task: Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (d) If the MAT shows ACTIVE for the maintenance message, then do these steps:

- 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- 2) Re-install the CPM/GG(M010) in the left AIMS cabinet. To install it, do this task: Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (8) Do these steps to isolate the CPM/GG(M011) in the left AIMS cabinet.

- (a) Remove the CPM/GG(M010) in the left AIMS cabinet. To remove it, do this task: Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801.

- (b) Remove the safety tags and close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

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NOTE: Other maintenance messages related to the CPM/GG(M011) will show.

- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then do these steps:

- 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- 2) Install a new CPM/GG(M011) in the left AIMS cabinet. To install it, do this task: Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (d) If the MAT shows ACTIVE for the maintenance message, then do these steps:

- 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- 2) Re-install the CPM/GG(M011) in the left AIMS cabinet. To install it, do this task: Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (9) Replace the left AIMS cabinet, M31101.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

————— **END OF TASK** —————

## 853. AIMS-R Internal Fault - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-50202, 31-50204.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Do these steps to isolate the CPM/Comm(M001) in the right AIMS cabinet.
  - (a) Remove the CPM/Comm(M001) in the right AIMS cabinet. To remove it, do this task:  
Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802.
  - (b) Remove the safety tags and close these circuit breakers:

#### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

**NOTE:** Other maintenance messages related to the CPM/Comm(M001) will show.

- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then do these steps:
  - 1) Open these circuit breakers and install safety tags:

#### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- 2) Install a new CPM/Comm(M001) in the right AIMS cabinet. To install it, do this task:  
Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If the MAT shows ACTIVE for the maintenance message, then do these steps:
  - 1) Open these circuit breakers and install safety tags:

#### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- 2) Re-install the CPM/Comm(M001) in the right AIMS cabinet. To install it, do this task:  
Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.
- (2) Do these steps to isolate the CPM/STD (M002) in the right AIMS cabinet.

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- (a) Remove the CPM/STD (M002) in the right AIMS cabinet. To remove it, do this task: Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801.
- (b) Remove the safety tags and close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

**NOTE:** Other maintenance messages related to the CPM/STD (M002) will show.

- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then do these steps:
  - 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- 2) Install a new CPM/STD (M002) in the right AIMS cabinet. To install it, do this task: Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If the MAT shows ACTIVE for the maintenance message, then do these steps:
  - 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- 2) Re-install the CPM/STD (M002) in the right AIMS cabinet. To install it, do this task: Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.
- (3) Do these steps to isolate the IOM(M003) in the right AIMS cabinet.
  - (a) Remove the IOM(M003) in the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the safety tags and close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |

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### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 15         | C31620        | AIMS R-4    |

**NOTE:** Other maintenance messages related to the IOM(M003) will show.

- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then do these steps:

- 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- 2) Install a new IOM(M003) in the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (d) If the MAT shows ACTIVE for the maintenance message, then do these steps:

- 1) Remove the safety tags and close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- 2) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (4) Do these steps to isolate the IOM(M004) in the right AIMS cabinet.

- (a) Remove the IOM(M004) in the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.

- (b) Remove the safety tags and close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

**NOTE:** Other maintenance messages related to the IOM(M004) will show.

- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then do these steps:

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- 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- 2) Install a new IOM(M004) in the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (d) If the MAT shows ACTIVE for the maintenance message, then do these steps:

- 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- 2) Re-install the IOM(M004) in the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (5) Do these steps to isolate the IOM(M008) in the right AIMS cabinet.

- (a) Remove the IOM(M008) in the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the safety tags and close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

**NOTE:** Other maintenance messages related to the IOM(M008) will show.

- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then do these steps:
  - 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

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- 2) Install a new IOM(M008) in the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If the MAT shows ACTIVE for the maintenance message, then do these steps:
  - 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- 2) Re-install the IOM(M008) in the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (6) Do these steps to isolate the IOM(M009) in the right AIMS cabinet.
- (a) Remove the IOM(M009) in the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the safety tags and close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

**NOTE:** Other maintenance messages related to the IOM(M009) will show.

- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then do these steps:
  - 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- 2) Install a new IOM(M009) in the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If the MAT shows ACTIVE for the maintenance message, then do these steps:

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- 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- 2) Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (7) Do these steps to isolate the CPM/GG(M010) in the right AIMS cabinet.
- (a) Remove the CPM/GG(M010) in the right AIMS cabinet. To remove it, do this task: Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801
  - (b) Remove the safety tags and close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

**NOTE:** Other maintenance messages related to the CPM/GG(M010) will show.

- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then do these steps:
  - 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- 2) Install a new CPM/GG(M010) in the right AIMS cabinet. To install it, do this task:  
Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If the MAT shows ACTIVE for the maintenance message, then do these steps:
- 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |

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### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 15         | C31620        | AIMS R-4    |

- 2) Re-install the CPM/GG(M010) in the right AIMS cabinet. To install it, do this task: Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
- (8) Do these steps to isolate the CPM/GG(M011) in the right AIMS cabinet.
  - (a) Remove the CPM/GG(M010) in the right AIMS cabinet. To remove it, do this task: Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801
  - (b) Remove the safety tags and close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

**NOTE:** Other maintenance messages related to the CPM/GG(M011) will show.

- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then do these steps:
  - 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- 2) Install a new CPM/GG(M011) in the right AIMS cabinet. To install it, do this task: Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If the MAT shows ACTIVE for the maintenance message, then do these steps:
  - 1) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

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- 2) Re-install the CPM/GG(M011) in the right AIMS cabinet. To install it, do this task:  
Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.
- (9) Replace the right AIMS cabinet, M31201.  
These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

### END OF TASK

#### 854. AIMS ARINC 429 Offside Output Problem - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-52511, 31-52512, 31-54501, 31-54502, 31-54512, 31-54521, 31-54522, 31-56501, 31-56502, 31-56521, 31-56522, 31-58511, 31-58521, 31-58522.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the AIMS offside IOM and pins and the AIMS onside module and pins for the applicable maintenance message.

| MAINT MESSAGE | OFFSIDE MODULE   | OFFSIDE PINS             | ONSIDE PINS                | ONSIDE MODULE    | 429 BUS NAME                 |
|---------------|------------------|--------------------------|----------------------------|------------------|------------------------------|
| 31-52511      | M003<br>(L-AIMS) | P3-A<br>pin B2<br>pin B3 | P9-B<br>pin A16<br>pin A17 | M009<br>(L-AIMS) | DCMF-L                       |
| 31-52512      | M003<br>(R-AIMS) | P3-A<br>pin B2<br>pin B3 | P9-B<br>pin A16<br>pin A17 | M009<br>(R-AIMS) | DCMF-R                       |
| 31-54501      | M004<br>(L-AIMS) | P4-A<br>pin A2<br>pin A3 | P3-B<br>pin A16<br>pin A17 | M003<br>(L-AIMS) | General Purpose<br>#2 L-AIMS |
| 31-54502      | M004<br>(R-AIMS) | P4-A<br>pin A2<br>pin A3 | P3-B<br>pin A16<br>pin A17 | M003<br>(R-AIMS) | General Purpose<br>#2 R-AIMS |
| 31-54512      | M004<br>(R-AIMS) | P4-A<br>pin B2<br>pin B3 | P8-B<br>pin A16<br>pin A17 | M008<br>(R-AIMS) | Inertial Reference<br>-R     |

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| MAINT<br>MESSAGE | OFFSIDE<br>MODULE | OFFSIDE<br>PINS            | ONside<br>PINS             | ONside<br>MODULE | 429 BUS<br>NAME                 |
|------------------|-------------------|----------------------------|----------------------------|------------------|---------------------------------|
| 31-54521         | M004<br>(L-AIMS)  | P4-B<br>pin C16<br>pin C17 | P4-B<br>pin B16<br>pin B17 | M004<br>(R-AIMS) | Nav<br>Tuning-R                 |
| 31-54522         | M004<br>(R-AIMS)  | P4-B<br>pin C16<br>pin C17 | P4-B<br>pin B16<br>pin B17 | M004<br>(L-AIMS) | CMCS-R                          |
| 31-56501         | M008<br>(L-AIMS)  | P8-A<br>pin A2<br>pin A3   | P3-B<br>pin B16<br>pin B17 | M003<br>(R-AIMS) | General<br>Purpose<br>#3 R-AIMS |
| 31-56502         | M008<br>(R-AIMS)  | P8-A<br>pin A2<br>pin A3   | P3-B<br>pin B16<br>pin B17 | M003<br>(L-AIMS) | General<br>Purpose<br>#3 L-AIMS |
| 31-56521         | M008<br>(L-AIMS)  | P8-B<br>pin C16<br>pin C17 | P8-B<br>pin B16<br>pin B17 | M008<br>(R-AIMS) | Nav<br>Tuning-C                 |
| 31-56522         | M008<br>(R-AIMS)  | P8-B<br>pin C16<br>pin C17 | P8-B<br>pin B16<br>pin B17 | M008<br>(L-AIMS) | CMCS-C                          |
| 31-58511         | M009<br>(L-AIMS)  | P9-A<br>pin B2<br>pin B3   | P8-B<br>pin A16<br>pin A17 | M008<br>(L-AIMS) | Inertial<br>Reference<br>-L     |
| 31-58521         | M009<br>(L-AIMS)  | P9-B<br>pin C16<br>pin C17 | P9-B<br>pin B16<br>pin B17 | M009<br>(R-AIMS) | Nav<br>Tuning-L                 |
| 31-58522         | M009<br>(R-AIMS)  | P9-B<br>pin C16<br>pin C17 | P9-B<br>pin B16<br>pin B17 | M009<br>(L-AIMS) | CMCS-L                          |

- (a) Replace the applicable offside AIMS IOM.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (b) Do the ARINC 429 Relays test for the applicable IOM on the MAT: 31 AIMS - Left(Right) AIMS, OPERATIONAL TEST, Left(Right) AIMS ARINC 429 Relays
- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring (SSM 31-41-03) (SSM 31-41-06):
  - (a) Remove the applicable offside AIMS IOM.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

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Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (b) Remove the applicable onside AIMS IOM.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (c) Do a wiring check between the specified pins of the applicable connectors.

- (d) If you find a problem with the wiring, then do these steps:

- 1) Repair the wiring.
- 2) Re-install the offside IOM. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the onside IOM. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) Do the ARINC 429 Relays test for the applicable IOM on the MAT: 31 AIMS - Left(Right) AIMS, OPERATIONAL TEST, Left(Right) AIMS ARINC 429 Relays
- 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 855. AIMS ARINC 429 Output Offside Silent Problem - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-52581, 31-52582, 31-52591, 31-52592, 31-54591, 31-54592, 31-56581, 31-56582, 31-56591, 31-56592, 31-58581, 31-58582, 31-58591, 31-58592.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) In the list below, find the AIMS onside IOM and pins and the AIMS offside module and pins for the applicable maintenance message.

| MAINT MESSAGE | ONSIDE MODULE    | ONSIDE PINS                | OFFSIDE PINS             | OFFSIDE MODULE   | 429 BUS NAME                 |
|---------------|------------------|----------------------------|--------------------------|------------------|------------------------------|
| 31-52581      | M003<br>(L-AIMS) | P3-B<br>pin A16<br>pin A17 | P4-A<br>pin A2<br>pin A3 | M004<br>(L-AIMS) | General Purpose<br>#2 L-AIMS |
| 31-52582      | M003<br>(R-AIMS) | P3-B<br>pin A16<br>pin A17 | P4-A<br>pin A2<br>pin A3 | M004<br>(R-AIMS) | General Purpose<br>#2 R-AIMS |

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| MAINT<br>MESSAGE | ONside<br>MODULE | ONside<br>PINS             | OFFside<br>PINS            | OFFside<br>MODULE | 429 BUS<br>NAME                 |
|------------------|------------------|----------------------------|----------------------------|-------------------|---------------------------------|
| 31-52591         | M003<br>(L-AIMS) | P3-B<br>pin B16<br>pin B17 | P8-A<br>pin A2<br>pin A3   | M008<br>(R-AIMS)  | General<br>Purpose<br>#3 L-AIMS |
| 31-52592         | M003<br>(R-AIMS) | P3-B<br>pin B16<br>pin B17 | P8-A<br>pin A2<br>pin A3   | M008<br>(L-AIMS)  | General<br>Purpose<br>#3 R-AIMS |
| 31-54591         | M004<br>(L-AIMS) | P4-B<br>pin B16<br>pin B17 | P4-B<br>pin C16<br>pin C17 | M004<br>(R-AIMS)  | CMCS-R                          |
| 31-54592         | M004<br>(R-AIMS) | P4-B<br>pin B16<br>pin B17 | P4-B<br>pin C16<br>pin C17 | M004<br>(L-AIMS)  | Nav<br>Tuning-R                 |
| 31-56581         | M008<br>(L-AIMS) | P8-B<br>pin A16<br>pin A17 | P9-A<br>pin B2<br>pin B3   | M009<br>(L-AIMS)  | Inertial<br>Reference<br>-L     |
| 31-56582         | M008<br>(R-AIMS) | P8-B<br>pin A16<br>pin A17 | P4-A<br>pin B2<br>pin B3   | M004<br>(R-AIMS)  | Inertial<br>Reference<br>-R     |
| 31-56591         | M008<br>(L-AIMS) | P8-B<br>pin B16<br>pin B17 | P8-B<br>pin C16<br>pin C17 | M008<br>(R-AIMS)  | CMCS-C                          |
| 31-56592         | M008<br>(R-AIMS) | P8-B<br>pin B16<br>pin B17 | P8-B<br>pin C16<br>pin C17 | M008<br>(L-AIMS)  | Nav<br>Tuning-C                 |
| 31-58581         | M009<br>(L-AIMS) | P9-B<br>pin A16<br>pin A17 | P3-A<br>pin B2<br>pin B3   | M003<br>(L-AIMS)  | DCMF-L                          |
| 31-58582         | M009<br>(R-AIMS) | P9-B<br>pin A16<br>pin A17 | P3-A<br>pin B2<br>pin B3   | M003<br>(R-AIMS)  | DCMF-R                          |
| 31-58591         | M009<br>(L-AIMS) | P9-B<br>pin B16<br>pin B17 | P9-B<br>pin C16<br>pin C17 | M009<br>(R-AIMS)  | CMCS-L                          |
| 31-58592         | M009<br>(R-AIMS) | P9-B<br>pin B16<br>pin B17 | P9-B<br>pin C16<br>pin C17 | M009<br>(L-AIMS)  | Nav<br>Tuning-L                 |

- (a) Replace the applicable onside AIMS IOM.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (b) Do the ARINC 429 Relays test for the applicable IOM on the MAT: 31 AIMS - Left(Right) AIMS, OPERATIONAL TEST, Left(Right) AIMS ARINC 429 Relays
- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring (SSM 31-41-03) (SSM 31-41-06):
  - (a) Remove the applicable onside AIMS IOM.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (b) Remove the applicable offside AIMS IOM.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (c) Do a wiring check between the specified pins of the applicable connectors.
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the onside IOM. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the offside IOM. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 4) Do the ARINC 429 Relays test for the applicable IOM on the MAT: 31 AIMS - Left(Right) AIMS, OPERATIONAL TEST, Left(Right) AIMS ARINC 429 Relays
    - 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 856. IOM in Left or Right AIMS Internal Fault - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-61111, 31-61112, 31-61113, 31-61114, 31-61115, 31-61116, 31-61117, 31-61118.

##### B. Fault Isolation Procedure

- (1) In the list below, find the AIMS Module for the applicable maintenance message.

| MAINT<br>MESSAGE | AIMS<br>Module        | ARINC<br>629 BUSES                      |
|------------------|-----------------------|-----------------------------------------|
| 31-61111         | IOM(M009)<br>(AIMS-L) | Flt Cntl L,<br>Systems L,<br>Intr Cab 1 |
| 31-61112         | IOM(M009)<br>(AIMS-R) | Flt Cntl L,<br>Systems L,<br>Intr Cab 1 |

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| MAINT<br>MESSAGE | AIMS<br>Module        | ARINC<br>629 BUSES                       |
|------------------|-----------------------|------------------------------------------|
| 31-61113         | IOM(M008)<br>(AIMS-L) | Flt Cntl L,<br>Systems C1,<br>Intr Cab 4 |
| 31-61114         | IOM(M008)<br>(AIMS-R) | Flt Cntl C,<br>Systems C1,<br>Intr Cab 2 |
| 31-61115         | IOM(M004)<br>(AIMS-L) | Flt Cntl R,<br>Systems R,<br>Intr Cab 3  |
| 31-61116         | IOM(M004)<br>(AIMS-R) | Flt Cntl R,<br>Systems R,<br>Intr Cab 3  |
| 31-61117         | IOM(M003)<br>(AIMS-L) | Flt Cntl C,<br>Systems C2,<br>Intr Cab 2 |
| 31-61118         | IOM(M003)<br>(AIMS-R) | Flt Cntl R,<br>Systems C2,<br>Intr Cab 4 |

- (2) Replace the applicable AIMS module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Look at the Extended Maintenance, Existing Faults display on the MAT for a different maintenance message that is related to the problem:
- (a) In the list above, find the AIMS module and the three ARINC 629 buses for the applicable maintenance message.
  - (b) Look in one of these ATA systems:
    - 1) 31 AIMS - Left AIMS
    - 2) 31 AIMS - Right AIMS
  - (c) Look for a maintenance messages that shows a problem with the applicable AIMS module or an ARINC 629 bus.
  - (d) If a maintenance message for the applicable module or bus shows in Existing Faults, then do these steps:
    - 1) Find the maintenance message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
    - 3) Look at the maintenance message that this task is for.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 857. Left AIMS No Input from Left CMCF on AIMS Backplane - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50115.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Do this AIMS module reset:
  - (a) Make these selections on the MAT to put the right CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO RIGHT.
  - (b) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, CPM/Comm(M001) in Left AIMS Module Reset.

NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.

- 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Open and then close these circuit breakers on the P11 panel:
  - (a) Open these circuit breakers:

#### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- (b) Close these circuit breakers:

#### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

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- (c) Close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- (3) Replace the CPM/Comm(M001) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

## 858. Right AIMS No Input from Right CMCF on AIMS Backplane - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50126.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Do this AIMS module reset:
- (a) Make these selections on the MAT to put the left CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO LEFT.
- (b) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm(M001) in Right AIMS Module Reset.
- 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 2) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Open and close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- (3) Replace the CPM/Comm(M001) in the right AIMS cabinet.

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These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 859. Left AIMS No Input from Right CMCF on Intercabinet Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50125.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Look at the Extended Maintenance, Existing Faults display on the MAT.
  - (a) Look in ATA system 31 AIMS - Right AIMS for these types of maintenance messages:
    - 1) One of these modules has no output on the AIMS backplane:
      - a) IOM(M003) in Right AIMS
      - b) IOM(M004) in Right AIMS
    - 2) An IOM has an ARINC 629 fault on one of these busses:
      - a) AIMS Intercabinet ARINC 629 Bus (3)
      - b) AIMS Intercabinet ARINC 629 Bus (4)
  - (b) Look in ATA system 31 AIMS - Left AIMS for these types of maintenance messages:
    - 1) One of these modules has no output on the AIMS backplane:
      - a) IOM(M004) in Left AIMS
      - b) IOM(M008) in Left AIMS
    - 2) An IOM has an ARINC 629 fault on one of these busses:
      - a) AIMS Intercabinet ARINC 629 Bus (3)
      - b) AIMS Intercabinet ARINC 629 Bus (4)
    - 3) The left AIMS has no input from the right AIMS on one of these busses:
      - a) AIMS Intercabinet ARINC 629 Bus (3)
      - b) AIMS Intercabinet ARINC 629 Bus (4)
    - 4) The left AIMS has no input from the right AIMS on any AIMS Intercabinet ARINC 629 Bus.
  - (c) If one of the maintenance messages given above shows in Existing Faults, then do these steps:
    - 1) Find the maintenance message in the applicable FIM Maintenance Message Index.

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- 2) Do the specified task for the maintenance message.
- 3) Look at the maintenance message that this task is for.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (d) If none of the maintenance messages given above show in Existing Faults, then continue.
- (2) Do these AIMS module resets:
  - (a) Make these selections on the MAT to put the left CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO LEFT.
  - (b) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm(M001) in Right AIMS Module Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
  - (c) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
  - (d) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
  - (e) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
  - (f) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
  - (g) Make these selections on the MAT to put the right CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO RIGHT.
  - (h) Do these ground tests on the MAT:
    - 1) 31 AIMS - Right AIMS, System Test, CPM/Comm(M001) in Right AIMS Module Reset.
    - 2) 31 AIMS - Right AIMS, System Test, CPM/STD (M002) in Right AIMS Module Reset.

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- 3) 31 AIMS - Right AIMS, System Test, CPM/GG(M010) in Right AIMS Module Reset.
- 4) 31 AIMS - Right AIMS, System Test, CPM/GG(M011) in Right AIMS Module Reset.
- 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**860. Right AIMS No Input from Left CMCF on Intercabinet Bus - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-50116.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Look at the Extended Maintenance, Existing Faults display on the MAT.
  - (a) Look in ATA system 31 AIMS - Left AIMS for these types of maintenance messages:
    - 1) One of these modules has no output on the AIMS backplane:
      - a) IOM(M004) in Left AIMS
      - b) IOM(M008) in Left AIMS
    - 2) An IOM has an ARINC 629 fault on one of these busses:
      - a) AIMS Intercabinet ARINC 629 Bus (3)
      - b) AIMS Intercabinet ARINC 629 Bus (4)
  - (b) Look in ATA system 31 AIMS - Right AIMS for these types of maintenance messages:
    - 1) One of these modules has no output on the AIMS backplane:
      - a) IOM(M003) in Right AIMS
      - b) IOM(M004) in Right AIMS
    - 2) An IOM has an ARINC 629 fault on one of these busses:
      - a) AIMS Intercabinet ARINC 629 Bus (3)
      - b) AIMS Intercabinet ARINC 629 Bus (4)
    - 3) The right AIMS has no input from the left AIMS on one of these busses:
      - a) AIMS Intercabinet ARINC 629 Bus (3)
      - b) AIMS Intercabinet ARINC 629 Bus (4)
    - 4) The right AIMS has no input from the left AIMS on any AIMS Intercabinet ARINC 629 Bus.
  - (c) If one of the maintenance messages given above shows in Existing Faults, then do these steps:
    - 1) Find the maintenance message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
    - 3) Look at the maintenance message that this task is for.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (d) If none of the maintenance messages given above show in Existing Faults, then continue.
- (2) Do these AIMS module resets:
  - (a) Make these selections on the MAT to put the right CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO RIGHT.
  - (b) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, CPM/Comm(M001) in Left AIMS Module Reset.

NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.

    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
  - (c) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
  - (d) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
  - (e) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
  - (f) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
  - (g) Make these selections on the MAT to put the left CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO LEFT.
  - (h) Do these ground tests on the MAT:
    - 1) 31 AIMS - Left AIMS, System Test, CPM/STD (M002) in Left AIMS Module Reset.
    - 2) 31 AIMS - Left AIMS, System Test, CPM/GG(M010) in Left AIMS Module Reset.
    - 3) 31 AIMS - Left AIMS, System Test, CPM/GG(M011) in Left AIMS Module Reset.





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- (i) Make these selections on the MAT to make sure the right CMCF is in control: OTHER FUNCTIONS, MAINTENANCE COMPUTER SWITCH CONTROL.  
NOTE: You must reset the CPM/Comm from the off-side CMC.
  - 1) If the display shows that the left CMCF is in control, SWITCH TO RIGHT.
  - 2) If the display shows that the right CMCF is in control, select GO BACK.
- (j) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/Comm(M001) in Left AIMS Module Reset.  
NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.
- (k) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 861. DCGF-1 In AIMS-L Incorrect Software Configuration - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-61011.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Do a check of the system configuration for this system on the MAT: 31 AIMS - Left AIMS
  - (a) Find CPM/GG(M010) in Left AIMS on the display and make sure that the software part numbers are correct.
  - (b) If a part number is incorrect, install software in the CPM/GG(M010) in the left AIMS cabinet. To install the software, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
- (2) Do a check of the system configuration for this system on the MAT: 31 AIMS - Left AIMS
  - (a) Find CPM/GG(M011) in Left AIMS on the display and make sure that the software part numbers are correct.
  - (b) If a part number is incorrect, install software in the CPM/GG(M011) in the left AIMS cabinet. To install the software, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.

### — END OF TASK —

#### 862. DCGF-1 In AIMS-R Incorrect Software Configuration - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-61012.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Do a check of the system configuration for this system on the MAT: 31 AIMS - Right AIMS
  - (a) Find CPM/GG(M010) in Right AIMS on the display and make sure that the software part numbers are correct.
  - (b) If a part number is incorrect, install software in the CPM/GG(M010) in the right AIMS cabinet. To install the software, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
- (2) Do a check of the system configuration for this system on the MAT: 31 AIMS - Right AIMS
  - (a) Find CPM/GG(M011) in Right AIMS on the display and make sure that the software part numbers are correct.
  - (b) If a part number is incorrect, install software in the CPM/GG(M011) in the right AIMS cabinet. To install the software, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.

— END OF TASK —

### 863. DCGF-1 In AIMS-L and AIMS-R Incorrect Software Configuration - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-61020.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Do a check of the system configuration for this system on the MAT: 31 AIMS - Left AIMS
  - (a) Find CPM/GG(M010) in Left AIMS on the display and make sure that the software part numbers are correct.
  - (b) If a part number is incorrect, install software in the CPM/GG(M010) in the left AIMS cabinet. To install the software, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
- (2) Do a check of the system configuration for this system on the MAT: 31 AIMS - Right AIMS
  - (a) Find CPM/GG(M010) in Right AIMS on the display and make sure that the software part numbers are correct.
  - (b) If a part number is incorrect, install software in the CPM/GG(M010) in the Right AIMS cabinet. To install the software, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
- (3) Do a check of the system configuration for this system on the MAT: 31 AIMS - Left AIMS
  - (a) Find CPM/GG(M011) in Left AIMS on the display and make sure that the software part numbers are correct.
  - (b) If a part number is incorrect, install software in the CPM/GG(M011) in the left AIMS cabinet. To install the software, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
- (4) Do a check of the system configuration for this system on the MAT: 31 AIMS - Right AIMS

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- (a) Find CPM/GG(M011) in Right AIMS on the display and make sure that the software part numbers are correct.
- (b) If a part number is incorrect, install software in the CPM/GG(M011) in the Right AIMS cabinet. To install the software, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.

### END OF TASK

#### 864. CPM in Left or Right AIMS Internal Fault - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-61211, 31-61213, 31-61216, 31-61218, 31-62211, 31-62213, 31-62216, 31-62218.

##### B. Fault Isolation Procedure

##### C. Fault Isolation Procedure

- (1) In the list below, find the AIMS Module for the applicable maintenance message.

| MAINT<br>MESSAGE | AIMS<br>Module               |
|------------------|------------------------------|
| 31-61211         | CPM/GG<br>(M010)<br>AIMS-L   |
| 31-61213         | CPM/GG<br>(M011)<br>AIMS-L   |
| 31-61216         | CPM/GG<br>(M010)<br>AIMS-R   |
| 31-61218         | CPM/GG<br>(M011)<br>AIMS-R   |
| 31-62211         | CPM/Comm<br>(M001)<br>AIMS-L |
| 31-62213         | CPM/STD<br>(M002)<br>AIMS-L  |
| 31-62216         | CPM/Comm<br>(M001)<br>AIMS-R |
| 31-62218         | CPM/STD<br>(M002)<br>AIMS-R  |

- (2) Replace the applicable AIMS module:

- (a) CPM/GG (M010, M011).

These are the tasks:

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Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (b) CPM/Comm (M001).

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802.

- (c) CPM/STD (M002).

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 865. Left or Right AIMS Intercabinet Bus Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-50101, 31-50102, 31-50111, 31-50112, 31-50121, 31-50122, 31-50131, 31-50132.

#### B. Fault Isolation Procedure

- (1) In the list below, find the AIMS intercabinet bus for the applicable maintenance message.

| MAINT<br>MESSAGE      | INTERCABINET<br>BUSES |
|-----------------------|-----------------------|
| 31-50101,<br>31-50102 | Intr Cab 1            |
| 31-50111,<br>31-50112 | Intr Cab 2            |
| 31-50121,<br>31-50122 | Intr Cab 3            |
| 31-50131,<br>31-50132 | Intr Cab 4            |

- (2) Repair the applicable AIMS intercabinet bus (WDM 31-41-27).

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 866. Left AIMS IOM(M003) Module has No Output on the Backplane - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-52013.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Remove and re-install the IOM(M003) in the left AIMS cabinet. These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) Replace the ARINC 629 coupler, B31327, in the P311 panel.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.  
NOTE: This coupler connects the IOM(M003) to the AIMS Intercabinet 629 Bus-2.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M003) in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left AIMS cabinet, M31101.  
These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 867. Right AIMS IOM(M003) Module has No Output on the Backplane - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-52014.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Remove and re-install the IOM(M003) in the right AIMS cabinet. These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) Replace the ARINC 629 coupler, B31311, in the P311 panel.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.  
NOTE: This coupler connects the IOM(M003) to the AIMS Intercabinet 629 Bus-4.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M003) in the right AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the right AIMS cabinet, M31201.  
These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 868. Left AIMS IOM(M004) Module has No Output on the Backplane - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-54013.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Remove and re-install the IOM(M004) in the left AIMS cabinet. These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) Replace the ARINC 629 coupler, B31227, in the P211 panel.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.  
NOTE: This coupler connects the IOM(M004) to the ARINC Intercabinet 629 Bus-3.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M004) in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left AIMS cabinet, M31101.  
These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

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AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 869. Right AIMS IOM(M004) Module has No Output on the Backplane - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-54014.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Remove and re-install the IOM(M004) in the right AIMS cabinet.  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) Replace the ARINC 629 coupler, B31226, in the P211 panel.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.  
**NOTE:** This coupler connects the IOM(M004) to the ARINC Intercabinet 629 Bus-3.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M004) in the right AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the right AIMS cabinet, M31201.  
These are the tasks:

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AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 870. Left AIMS IOM(M008) Module has No Output on the Backplane - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-56013.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Remove and re-install the IOM(M008) in the left AIMS cabinet. These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) Replace the ARINC 629 coupler, B31308, in the P311 panel.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.  
NOTE: This coupler connects the IOM(M008) to the ARINC Intercabinet 629 Bus-4.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M008) in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left AIMS cabinet, M31101.

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These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 871. Right AIMS IOM(M008) Module has No Output on the Backplane - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-56014.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Remove and re-install the IOM(M008) in the right AIMS cabinet. These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

- (2) Replace the ARINC 629 coupler, B31326, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the IOM(M008) to the ARINC Intercabinet 629 Bus-2.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (4) Replace the right AIMS cabinet, M31201.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 872. Left AIMS IOM(M009) Module has No Output on the Backplane - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-58013.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Remove and re-install the IOM(M009) in the left AIMS cabinet. These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) Replace the ARINC 629 coupler, B31127, in the P111 panel.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.  
**NOTE:** This coupler connects the IOM(M009) to the AIMS Intercabinet 629 Bus-1.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M009) in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left AIMS cabinet, M31101.  
These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### **873. Right AIMS IOM(M009) Module has No Output on the Backplane - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-58014.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Remove and re-install the IOM(M009) in the right AIMS cabinet. These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) Replace the ARINC 629 coupler, B31126, in the P111 panel.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.  
**NOTE:** This coupler connects the IOM(M009) to the AIMS Intercabinet 629 Bus-1.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M009) in the right AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the right AIMS cabinet, M31201.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 874. DCGF No Input From Offside DCGF Problem - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-61212, 31-61214, 31-61215, 31-61217, 31-62212, 31-62214, 31-62215, 31-62217.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) In the list below, find the offside IOM and CPM, the onside IOM and CPM and the 629 couplers for the applicable maintenance message.

| MAINT MESSAGE                                | OFFSIDE IOM AND COUPLER              | ONSIDE IOM AND COUPLER               | OFFSIDE CPM (MASTER) | OFFSIDE CPM (SLAVE) | ONSIDE CPM       |
|----------------------------------------------|--------------------------------------|--------------------------------------|----------------------|---------------------|------------------|
| 31-61212<br>(DCGF-1)<br>L-AIMS IS<br>OFFSIDE | M003<br>(B31314)<br>M008<br>(B31312) | M003<br>(B31318)<br>M008<br>(B31317) | M010<br>(L-AIMS)     | M011<br>(L-AIMS)    | M010<br>(R-AIMS) |
| 31-61214<br>(DCGF-1)<br>L-AIMS IS<br>OFFSIDE | M003<br>(B31314)<br>M008<br>(B31312) | M003<br>(B31318)<br>M008<br>(B31317) | M010<br>(L-AIMS)     | M011<br>(L-AIMS)    | M011<br>(R-AIMS) |
| 31-61215<br>(DCGF-1)<br>R-AIMS IS<br>OFFSIDE | M003<br>(B31318)<br>M008<br>(B31317) | M003<br>(B31314)<br>M008<br>(B31312) | M010<br>(R-AIMS)     | M011<br>(R-AIMS)    | M010<br>(L-AIMS) |
| 31-61217<br>(DCGF-1)<br>R-AIMS IS<br>OFFSIDE | M003<br>(B31318)<br>M008<br>(B31317) | M003<br>(B31314)<br>M008<br>(B31312) | M010<br>(R-AIMS)     | M011<br>(R-AIMS)    | M011<br>(L-AIMS) |

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| <b>MAINT<br/>MESSAGE</b>                     | <b>OFFSIDE<br/>IOM AND<br/>COUPLER</b> | <b>ONside<br/>IOM AND<br/>COUPLER</b> | <b>OFFSIDE<br/>CPM<br/>(MASTER)</b> | <b>OFFSIDE<br/>CPM<br/>(SLAVE)</b> | <b>ONside<br/>CPM</b> |
|----------------------------------------------|----------------------------------------|---------------------------------------|-------------------------------------|------------------------------------|-----------------------|
| 31-62212<br>(DCGF-2)<br>L-AIMS IS<br>OFFSIDE | M003<br>(B31314)<br>M008<br>(B31312)   | M003<br>(B31318)<br>M008<br>(B31317)  | M002<br>(L-AIMS)                    | M001<br>(L-AIMS)                   | M002<br>(R-AIMS)      |
| 31-62214<br>(DCGF-2)<br>L-AIMS IS<br>OFFSIDE | M003<br>(B31314)<br>M008<br>(B31312)   | M003<br>(B31318)<br>M008<br>(B31317)  | M002<br>(L-AIMS)                    | M001<br>(L-AIMS)                   | M001<br>(R-AIMS)      |
| 31-62215<br>(DCGF-2)<br>R-AIMS IS<br>OFFSIDE | M003<br>(B31318)<br>M008<br>(B31317)   | M003<br>(B31314)<br>M008<br>(B31312)  | M002<br>(R-AIMS)                    | M001<br>(R-AIMS)                   | M002<br>(L-AIMS)      |
| 31-62217<br>(DCGF-2)<br>R-AIMS IS<br>OFFSIDE | M003<br>(B31318)<br>M008<br>(B31317)   | M003<br>(B31314)<br>M008<br>(B31312)  | M002<br>(R-AIMS)                    | M001<br>(R-AIMS)                   | M001<br>(L-AIMS)      |

- (2) Replace one of the applicable offside IOMs.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (3) Replace the other applicable offside IOM.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (4) Replace one of the applicable onside IOMs.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (5) Replace the other applicable onside IOM.

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These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this check of the wiring from the IOM(M003) to the coupler:
  - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31314 from the coupler, B31314.
  - (c) Do a wiring check between these pins of the IOM connector J240 and connector DB31314 at the P313 panel (WDM 31-41-25) (SSM 31-41-02):

| J240-B | DB31314 |
|--------|---------|
| pin G3 | pin 5   |
| pin G4 | pin 4   |
| pin G1 | pin 2   |
| pin G2 | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
  - 2) Re-connect connector DB31314.
  - 3) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the maintenance message does not show on the ground test display, you corrected the fault.
- (7) Do this check of the wiring from the IOM(M008) to the coupler:
  - (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31312 from the coupler, B31312.
  - (c) Do a wiring check between these pins of the IOM connector J410 and connector DB31312 at the P311 panel (WDM 31-41-25) (SSM 31-41-02):

| J410-B | DB31312 |
|--------|---------|
| pin G3 | pin 5   |
| pin G4 | pin 4   |
| pin G1 | pin 2   |
| pin G2 | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
  - 2) Re-connect connector DB31312.
  - 3) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- 4) If the maintenance message does not show on the ground test display, you corrected the fault.
- (8) Do this check of the wiring from the IOM(M003) to the coupler:
- (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31318 from the coupler, B31318.
  - (c) Do a wiring check between these pins of the IOM connector J240 and connector DB31318 at the P313 panel (WDM 31-41-26) (SSM 31-41-02):
- | <b>J240-B</b> | <b>DB31318</b> |
|---------------|----------------|
| pin G3 .....  | pin 5          |
| pin G4 .....  | pin 4          |
| pin G1 .....  | pin 2          |
| pin G2 .....  | pin 1          |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
  - 2) Re-connect connector DB31318.
  - 3) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the maintenance message does not show on the ground test display, you corrected the fault.
- (9) Do this check of the wiring from the IOM(M008) to the coupler:
- (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31317 from the coupler, B31317.
  - (c) Do a wiring check between these pins of the IOM connector J410 and connector DB31317 at the P311 panel (WDM 31-41-26) (SSM 31-41-02):
- | <b>J410-B</b> | <b>DB31317</b> |
|---------------|----------------|
| pin G3 .....  | pin 5          |
| pin G4 .....  | pin 4          |
| pin G1 .....  | pin 2          |
| pin G2 .....  | pin 1          |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
  - 2) Re-connect connector DB31317.
  - 3) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the maintenance message does not show on the ground test display, you corrected the fault.
- (10) Replace the applicable AIMS offside (master) CPM:
- (a) CPM/GG(M010, M011).
- These are the tasks:

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Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (b) CPM/Comm(M001).

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802.

- (c) CPM/STD (M002).

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (e) If the MAT shows ACTIVE for the maintenance message, then continue.

- (11) Replace the applicable AIMS offside (slave) CPM:

- (a) CPM/GG(M010, M011).

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (b) CPM/Comm(M001).

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802.

- (c) CPM/STD (M002).

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (e) If the MAT shows ACTIVE for the maintenance message, then continue.

- (12) Replace the applicable AIMS onside CPM:

- (a) CPM/GG(M010, M011).

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

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Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (b) CPM/Comm(M001).

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802.

- (c) CPM/STD (M002).

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 875. Left or Right AIMS All Intercabinet Buses Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-50191, 31-50192.

#### B. Fault Isolation Procedure

- (1) Repair all four intercabinet buses (SWPM 20-11-11) (WDM 31-41-27).  
(a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 876. AIMS-L No Output On Left General Purpose #1 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-68891.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.  
(2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the ground proximity warning computer (GPWC), M34004. To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
  - (c) Do a wiring check between these pins of connector DM34004AB at the E1-4 shelf and connector J240-B in the left AIMS cabinet (WDM 31-41-21) (SSM 31-41-03):

| <b>DM34004AB</b>  | <b>J240-B</b> |
|-------------------|---------------|
| pin C12 . . . . . | pin F11       |
| pin D12 . . . . . | pin G12       |

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
    - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the left satellite data unit (SDU), M23106. To remove it, do this task: Satellite Data Unit Removal, AMM TASK 23-15-10-000-801.
  - (b) Do a wiring check between these pins of connector DM23106AB at the E11-1 shelf and connector J240-B in the left AIMS cabinet (WDM 31-41-21) (SSM 31-41-03):

| <b>DM23106AB</b> | <b>J240-B</b> |
|------------------|---------------|
| pin A4 . . . . . | pin F11       |
| pin B4 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
    - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.

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- (5) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
- (6) Look at the message in existing faults and find the LRU that detected the fault.
  - (a) Replace the applicable LRU.
    - 1) If the GPWC detected the fault, replace the GPWC.

These are the tasks:  
Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801,  
Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
    - 2) If the left SDU detected the fault, replace the left SDU.

These are the tasks:  
Satellite Data Unit Removal, AMM TASK 23-15-10-000-801,  
Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 877. AIMS-L No Output On Left General Purpose #2 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-68893.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the left radio tuning panel (RTP), M23005. To remove it, do this task: Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801.

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- (c) Do a wiring check between these pins of connector DM23005 at the aisle stand panel, P8 and connector J240-A in the left AIMS cabinet (WDM 31-41-22) (SSM 31-41-03):

| <b>DM23005</b> | <b>J240-A</b> |
|----------------|---------------|
| pin 14 .....   | pin F13       |
| pin 15 .....   | pin G14       |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the left RTP, M23005. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
  - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the left RTP, M23005. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
- (4) Do this check of the wiring:
- (a) Remove the right RTP, M23006. To remove it, do this task: Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801.
- (b) Do a wiring check between these pins of connector DM23006 at the P8 panel and connector J240-A in the left AIMS cabinet (WDM 31-41-22) (SSM 31-41-03):

| <b>DM23006</b> | <b>J240-A</b> |
|----------------|---------------|
| pin 14 .....   | pin F13       |
| pin 15 .....   | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the right RTP, M23006. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
  - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the right RTP, M23006. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
- (6) Do this check of the wiring:
- (a) Remove the center RTP, M23007. To remove it, do this task: Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801.
- (b) Do a wiring check between these pins of connector DM23007 at the P8 panel and connector J240-A in the left AIMS cabinet (WDM 31-41-22) (SSM 31-41-03):

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|                |               |
|----------------|---------------|
| <b>DM23007</b> | <b>J240-A</b> |
| pin 14 .....   | pin F13       |
| pin 15 .....   | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the center RTP, M23007. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
  - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (7) Re-install the center RTP, M23007. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
- (8) Do this check of the wiring:
- (a) Remove the rudder trim indicator, N27003. To remove it, do this task: Rudder Trim Indicator Removal, AMM TASK 27-21-09-000-801.
  - (b) Do a wiring check between these pins of connector DN27003 at the P8 panel and connector J240-A in the left AIMS cabinet (WDM 31-41-22) (SSM 31-41-03):

|                |               |
|----------------|---------------|
| <b>DN27003</b> | <b>J240-A</b> |
| pin 8 .....    | pin F13       |
| pin 9 .....    | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the rudder trim indicator, N27003. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
  - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (9) Re-install the rudder trim indicator, N27003. To install it, do this task: Rudder Trim Indicator Installation, AMM TASK 27-21-09-400-801.
- (10) Do this check of the wiring:
- (a) Remove the left stabilizer position indicator, N27001. To remove it, do this task: Stabilizer Position Indicator Removal, AMM TASK 27-48-02-000-801.
  - (b) Do a wiring check between these pins of connector DN27001 at the P10 panel and connector J240-A in the left AIMS cabinet (WDM 31-41-22) (SSM 31-41-03):

|                |               |
|----------------|---------------|
| <b>DN27001</b> | <b>J240-A</b> |
| pin 8 .....    | pin F13       |
| pin 9 .....    | pin G14       |

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- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the left stabilizer position indicator, N27001. To install it, do this task: Stabilizer Position Indicator Installation, AMM TASK 27-48-02-400-801.
  - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (11) Re-install the left stabilizer position indicator, N27001. To install it, do this task: Stabilizer Position Indicator Installation, AMM TASK 27-48-02-400-801.
- (12) Do this check of the wiring:
  - (a) Remove the left autothrottle servo motor (ASM), M22105. To remove it, do this task: Autothrottle Servomotor (ASM) and Gearbox Removal, AMM TASK 76-12-01-000-805-H00.
  - (b) Do a wiring check between these pins of connector DM22105 at the P10 panel and connector J240-A in the left AIMS cabinet (WDM 31-41-22) (SSM 31-41-03):

| <b>DM22105</b>   | <b>J240-A</b> |
|------------------|---------------|
| pin 6 . . . . .  | pin F13       |
| pin 16 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the left ASM, M22105. To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
  - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (13) Re-install the left ASM, M22105. To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
- (14) Do this check of the wiring:
  - (a) Remove the right ASM, M22205. To remove it, do this task: Autothrottle Servomotor (ASM) and Gearbox Removal, AMM TASK 76-12-01-000-805-H00.
  - (b) Do a wiring check between these pins of connector DM22205 at the P10 panel and connector J240-A in the left AIMS cabinet (WDM 31-41-22) (SSM 31-41-03):

| <b>DM22205</b>   | <b>J240-A</b> |
|------------------|---------------|
| pin 6 . . . . .  | pin F13       |
| pin 16 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.

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- 2) Re-install the right ASM, M22205. To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
  - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (15) Re-install the right ASM, M22205. To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
- (16) Do this check of the wiring:
- (a) Do a wiring check between these pins of connector DN31002 at the P1 panel and connector J240-A in the left AIMS cabinet (WDM 31-41-22) (SSM 31-41-03):

| <b>DN31002</b>   | <b>J240-A</b> |
|------------------|---------------|
| pin 19 . . . . . | pin F13       |
| pin 20 . . . . . | pin G14       |
  - (b) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If you do not find a problem with the wiring, then continue.
- (17) Do this check of the wiring:
- (a) Remove the left weather radar transceiver (WXR xcvr), M34116. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
  - (b) Do a wiring check between these pins of connector DM34116AB at STA 142, WL 168, BL 0 and connector J240-A in the left AIMS cabinet (WDM 31-41-22) (SSM 31-41-03):

| <b>DM34116AB</b> | <b>J240-A</b> |
|------------------|---------------|
| pin B3 . . . . . | pin F13       |
| pin B4 . . . . . | pin G14       |
  - (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the left WXR xcvr, M34116. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
    - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
- (18) Re-install the left WXR xcvr, M34116. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.

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- (19) Do this check of the wiring:
- (a) Remove the right WXR xcvr, M34216. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
  - (b) Do a wiring check between these pins of connector DM34216AB at STA 155, WL 168, RBL 21 and connector J240-A in the left AIMS cabinet (WDM 31-41-22) (SSM 31-41-03):

| <b>DM34216AB</b> | <b>J240-A</b> |
|------------------|---------------|
| pin B3 . . . . . | pin F13       |
| pin B4 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the right WXR xcvr, M34216. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
    - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
- (20) Re-install the right WXR xcvr, M34216. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
- (21) Look at the message in existing faults and find the LRU that detected the fault.
- (a) Replace the applicable LRU.
    - 1) If the left RTP detected the fault, replace the left RTP, M23005.  
These are the tasks:  
Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801,  
Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
    - 2) If the right RTP detected the fault, replace the right RTP, M23006.  
These are the tasks:  
Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801,  
Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
    - 3) If the center RTP detected the fault, replace the center RTP, M23007.  
These are the tasks:  
Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801,  
Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
    - 4) If the rudder trim indicator detected the fault, replace the rudder trim indicator, DN27003.  
These are the tasks:  
Rudder Trim Indicator Removal, AMM TASK 27-21-09-000-801,  
Rudder Trim Indicator Installation, AMM TASK 27-21-09-400-801.
    - 5) If the left stabilizer position indicator detected the fault, replace the left stabilizer position indicator, DN27001.  
These are the tasks:

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Stabilizer Position Indicator Removal, AMM TASK 27-48-02-000-801,  
Stabilizer Position Indicator Installation, AMM TASK 27-48-02-400-801.

- 6) If the left ASM detected the fault, replace the left ASM, M22105.

These are the tasks:

Autothrottle Servomotor (ASM) and Gearbox Removal, AMM  
TASK 76-12-01-000-805-H00,

Autothrottle Servomotor (ASM) and Gearbox Installation, AMM  
TASK 76-12-01-400-804-H00.

- 7) If the right ASM detected the fault, replace the right ASM, M22205.

These are the tasks:

Autothrottle Servomotor (ASM) and Gearbox Removal, AMM  
TASK 76-12-01-000-805-H00,

Autothrottle Servomotor (ASM) and Gearbox Installation, AMM  
TASK 76-12-01-400-804-H00.

- 8) If the left WXR xcvr detected the fault, replace the left WXR xcvr, M34116.

These are the tasks:

WXR Transceiver Removal, AMM TASK 34-43-02-000-801,

WXR Transceiver Installation, AMM TASK 34-43-02-400-801.

- 9) If the right WXR xcvr detected the fault, replace the right WXR xcvr, M34216.

These are the tasks:

WXR Transceiver Removal, AMM TASK 34-43-02-000-801,

WXR Transceiver Installation, AMM TASK 34-43-02-400-801.

- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 878. AIMS-R No Output On Right General Purpose #2 Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-68894.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

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Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the left radio tuning panel (RTP), M23005. To remove it, do this task: Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801.
  - (c) Do a wiring check between these pins of connector DM23005 at the aisle stand panel, P8 and connector J240-A in the right AIMS cabinet (WDM 31-41-24) (SSM 31-41-06):

| <b>DM23005</b>   | <b>J240-A</b> |
|------------------|---------------|
| pin 16 . . . . . | pin F13       |
| pin 17 . . . . . | pin G14       |

- (d) If you find a problem with the wiring, then do these steps:
      - 1) Repair the wiring.
      - 2) Re-install the left RTP, M23005. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
      - 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
      - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - (e) If you do not find a problem with the wiring, then continue.
  - (3) Re-install the left RTP, M23005. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
  - (4) Do this check of the wiring:
    - (a) Remove the right RTP, M23006. To remove it, do this task: Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801.
    - (b) Do a wiring check between these pins of connector DM23006 at the P8 panel and connector J240-A in the right AIMS cabinet (WDM 31-41-24) (SSM 31-41-06):

| <b>DM23006</b>   | <b>J240-A</b> |
|------------------|---------------|
| pin 16 . . . . . | pin F13       |
| pin 17 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
      - 1) Repair the wiring.
      - 2) Re-install the right RTP, M23006. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
      - 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
      - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the right RTP, M23006. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
- (6) Do this check of the wiring:
  - (a) Remove the center RTP, M23007. To remove it, do this task: Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801.
  - (b) Do a wiring check between these pins of connector DM23007 at the P8 panel and connector J240-A in the right AIMS cabinet (WDM 31-41-24) (SSM 31-41-06):

| <b>DM23007</b>   | <b>J240-A</b> |
|------------------|---------------|
| pin 16 . . . . . | pin F13       |
| pin 17 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the center RTP, M23007. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
  - 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (7) Re-install the center RTP, M23007. To install it, do this task: Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
- (8) Do this check of the wiring:
  - (a) Remove the rudder trim indicator, N27003. To remove it, do this task: Rudder Trim Indicator Removal, AMM TASK 27-21-09-000-801.
  - (b) Do a wiring check between these pins of connector DN27003 at the P8 panel and connector J240-A in the right AIMS cabinet (WDM 31-41-24) (SSM 31-41-06):

| <b>DN27003</b>   | <b>J240-A</b> |
|------------------|---------------|
| pin 11 . . . . . | pin F13       |
| pin 12 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the rudder trim indicator, N27003. To install it, do this task: Rudder Trim Indicator Installation, AMM TASK 27-21-09-400-801.
  - 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (9) Re-install the rudder trim indicator, N27003. To install it, do this task: Rudder Trim Indicator Installation, AMM TASK 27-21-09-400-801.

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(10) Do this check of the wiring:

- (a) Remove the right stabilizer position indicator, N27002. To remove it, do this task: Stabilizer Position Indicator Removal, AMM TASK 27-48-02-000-801.
- (b) Do a wiring check between these pins of connector DN27002 at the P10 panel and connector J240-A in the right AIMS cabinet (WDM 31-41-24) (SSM 31-41-06):

| <b>DN27002</b>   | <b>J240-A</b> |
|------------------|---------------|
| pin 11 . . . . . | pin F13       |
| pin 12 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the right stabilizer position indicator, N27002. To install it, do this task: Stabilizer Position Indicator Installation, AMM TASK 27-48-02-400-801.
    - 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
- (11) Re-install the right stabilizer position indicator, N27002. To install it, do this task: Stabilizer Position Indicator Installation, AMM TASK 27-48-02-400-801.

(12) Do this check of the wiring:

- (a) Remove the left autothrottle servo motor (ASM), M22105. To remove it, do this task: Autothrottle Servomotor (ASM) and Gearbox Removal, AMM TASK 76-12-01-000-805-H00.
- (b) Do a wiring check between these pins of connector DM22105 at the P10 panel and connector J240-A in the right AIMS cabinet (WDM 31-41-24) (SSM 31-41-06):

| <b>DN22105</b>   | <b>J240-A</b> |
|------------------|---------------|
| pin 4 . . . . .  | pin F13       |
| pin 14 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the left ASM, M22105. To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
    - 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
- (13) Re-install the left ASM, M22105. To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
- (14) Do this check of the wiring:
- (a) Remove the right ASM, M22205. To remove it, do this task: Autothrottle Servomotor (ASM) and Gearbox Removal, AMM TASK 76-12-01-000-805-H00.

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- (b) Do a wiring check between these pins of connector DM22205 at the P10 panel and connector J240-A in the right AIMS cabinet (WDM 31-41-24) (SSM 31-41-06):

| <b>DN22205</b>   | <b>J240-A</b> |
|------------------|---------------|
| pin 4 . . . . .  | pin F13       |
| pin 14 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the right ASM, M22205. To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
  - 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (15) Re-install the right ASM, M22205. To install it, do this task: Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
- (16) Do this check of the wiring:

- (a) Do a wiring check between these pins of connector DN31003 at the P1 panel and connector J240-A in the right AIMS cabinet (WDM 31-41-24) (SSM 31-41-06):

| <b>DN31003</b>   | <b>J240-A</b> |
|------------------|---------------|
| pin 19 . . . . . | pin F13       |
| pin 20 . . . . . | pin G14       |

- (b) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If you do not find a problem with the wiring, then continue.
- (17) Do this check of the wiring:
- (a) Remove the left weather radar transceiver (WXR xcvr), M34116. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
- (b) Do a wiring check between these pins of connector DM34116AB at STA 142, WL 168, BL 0 and connector J240-A in the right AIMS cabinet (WDM 31-41-24) (SSM 31-41-06):

| <b>DM34116AB</b> | <b>J240-A</b> |
|------------------|---------------|
| pin J3 . . . . . | pin F13       |
| pin J4 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the left WXR xcvr, M34116. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.

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- 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (18) Re-install the left WXR xcvr, M34116. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
- (19) Do this check of the wiring:
  - (a) Remove the right weather radar transceiver (WXR xcvr), M34216. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
  - (b) Do a wiring check between these pins of connector DM34216AB at STA 155, WL 168, RBL 21 and connector J240-A in the right AIMS cabinet (WDM 31-41-24) (SSM 31-41-06):

| DM34216AB        | J240-A  |
|------------------|---------|
| pin J3 . . . . . | pin F13 |
| pin J4 . . . . . | pin G14 |
- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the right WXR xcvr, M34216. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
  - 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (20) Re-install the right WXR xcvr, M34216. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
- (21) Look at the message in existing faults and find the LRU that detected the fault.
  - (a) Replace the applicable LRU.
    - 1) If the left RTP detected the fault, replace the left RTP, M23005.  
These are the tasks:  
Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801,  
Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
    - 2) If the right RTP detected the fault, replace the right RTP, M23006.  
These are the tasks:  
Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801,  
Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.
    - 3) If the center RTP detected the fault, replace the center RTP, M23007.  
These are the tasks:  
Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801,  
Radio Tuning Panel (RTP) Installation, AMM TASK 23-12-02-400-801.

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- 4) If the rudder trim indicator detected the fault, replace the rudder trim indicator, DN27003.  
These are the tasks:  
Rudder Trim Indicator Removal, AMM TASK 27-21-09-000-801,  
Rudder Trim Indicator Installation, AMM TASK 27-21-09-400-801.
  - 5) If the right stabilizer position indicator detected the fault, replace the right stabilizer position indicator, DN27002.  
These are the tasks:  
Stabilizer Position Indicator Removal, AMM TASK 27-48-02-000-801,  
Stabilizer Position Indicator Installation, AMM TASK 27-48-02-400-801.
  - 6) If the left ASM detected the fault, replace the left ASM, M22105.  
These are the tasks:  
Autothrottle Servomotor (ASM) and Gearbox Removal, AMM TASK 76-12-01-000-805-H00,  
Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
  - 7) If the right ASM detected the fault, replace the right ASM, M22205.  
These are the tasks:  
Autothrottle Servomotor (ASM) and Gearbox Removal, AMM TASK 76-12-01-000-805-H00,  
Autothrottle Servomotor (ASM) and Gearbox Installation, AMM TASK 76-12-01-400-804-H00.
  - 8) If the left WXR xcvr detected the fault, replace the left WXR xcvr, M34116.  
These are the tasks:  
WXR Transceiver Removal, AMM TASK 34-43-02-000-801,  
WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
  - 9) If the right WXR xcvr detected the fault, replace the right WXR xcvr, M34216.  
These are the tasks:  
WXR Transceiver Removal, AMM TASK 34-43-02-000-801,  
WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 879. AIMS-L No Output On Left General Purpose #3 Bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-68895.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the left ATC/Mode S transponder (ATC transponder\_, M34107. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
- (c) Do a wiring check between these pins of connector DM34107AA at the E1-3 shelf and connector J240-A in the left AIMS cabinet (WDM 31-41-21) (SSM 31-41-03):

| <b>DM34107AA</b> | <b>J240-A</b> |
|------------------|---------------|
| pin H7 . . . . . | pin F11       |
| pin J7 . . . . . | pin G12       |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the left ATC transponder, M34107. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the left ATC transponder, M34107. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- (4) Do this check of the wiring:
- (a) Remove the right ATC transponder, M34207. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
- (b) Do a wiring check between these pins of connector DM34207AB at the E2-3 shelf and connector J240-A in the left AIMS cabinet (WDM 31-41-21) (SSM 31-41-03):

| <b>DM34207AB</b> | <b>J240-A</b> |
|------------------|---------------|
| pin A5 . . . . . | pin F11       |
| pin B5 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:

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- 1) Repair the wiring.
  - 2) Re-install the right ATC transponder, M34207. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
  - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the right ATC transponder, M34207. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
  - (6) Do this check of the wiring:
    - (a) Remove the ground proximity warning computer (GPWC), M34004. To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
    - (b) Do a wiring check between these pins of connector DM34004AB at the E1-4 shelf and connector J240-A in the left AIMS cabinet (WDM 31-41-21) (SSM 31-41-03):

| <b>DM34004AB</b>  | <b>J240-A</b> |
|-------------------|---------------|
| pin A11 . . . . . | pin F11       |
| pin B11 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
  - 3) Re-install the IOM(M003) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (7) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
  - (8) Look at the message in existing faults and find the LRU that detected the fault.
    - (a) Replace the applicable LRU.
      - 1) If the GPWC detected the fault, replace the GPWC, M34004.  
These are the tasks:  
Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801,  
Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
      - 2) If the left ATC transponder detected the fault, replace the left ATC transponder, M34107.  
These are the tasks:  
ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801,  
ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
      - 3) If the right ATC transponder detected the fault, replace the right ATC transponder, M34207.

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These are the tasks:

ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801,

ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.

- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 880. AIMS-R No Output On Right General Purpose #3 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-68896.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the left ATC/Mode S transponder (ATC transponder), M34107. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
- (c) Do a wiring check between these pins of connector DM34107AB at the E1-3 shelf and connector J240-A in the right AIMS cabinet (WDM 31-41-23) (SSM 31-41-03):

#### **DM34107AB**

pin A5 . . . . . pin F11  
pin B5 . . . . . pin G12

#### **J240-A**

- (d) If you find a problem with the wiring, then do these steps:

- 1) Repair the wiring.
- 2) Re-install the left ATC transponder, M34107. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.

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- 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the left ATC transponder, M34107. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the right ATC transponder, M34207. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34207AA at the E2-3 shelf and connector J240-A in the right AIMS cabinet (WDM 31-41-23) (SSM 31-41-03):

| DM34207AA        | J240-A  |
|------------------|---------|
| pin H7 . . . . . | pin F11 |
| pin J7 . . . . . | pin G12 |
- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the right ATC transponder, M34207. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
  - 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the right ATC transponder, M34207. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- (6) Do this check of the wiring:
  - (a) Remove the ground proximity warning computer (GPWC), M34004. To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34004AB at the E1-4 shelf and connector J240-A in the right AIMS cabinet (WDM 31-41-23) (SSM 31-41-03):

| DM34004AB         | J240-A  |
|-------------------|---------|
| pin A10 . . . . . | pin F11 |
| pin B10 . . . . . | pin G12 |
- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
  - 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (d) If you do not find a problem with the wiring, then continue.
- (7) Look at the message in existing faults and find the LRU that detected the fault.
  - (a) Replace the applicable LRU.
    - 1) If the GPWC detected the fault, replace the GPWC, M34004.  
These are the tasks:  
Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801,  
Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
    - 2) If the left ATC transponder detected the fault, replace the left ATC transponder, M34107.  
These are the tasks:  
ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801,  
ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
    - 3) If the right ATC transponder detected the fault, replace the right ATC transponder, M34207.  
These are the tasks:  
ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801,  
ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 881. AIMS-L No Output On Left Inertial Reference Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-68897.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M008) in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:

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- (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the ground proximity warning computer (GPWC), M34004. To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
- (c) Do a wiring check between these pins of connector DM34004AB at the E1-4 shelf and connector J410-A in the left AIMS cabinet (WDM 31-41-31) (SSM 31-41-03):

| <b>DM34004AB</b> | <b>J410-A</b> |
|------------------|---------------|
| pin A6 . . . . . | pin F13       |
| pin B6 . . . . . | pin G14       |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the TCAS computer, M34006. To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34006AE at the E1-4 shelf and connector J410-A in the left AIMS cabinet (WDM 31-41-31) (SSM 31-41-03):

| <b>DM34006AE</b> | <b>J410-A</b> |
|------------------|---------------|
| pin A7 . . . . . | pin F13       |
| pin B7 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
- (6) Do this check of the wiring:
  - (a) Remove the left satellite data unit (SDU), M23106. To remove it, do this task: Satellite Data Unit Removal, AMM TASK 23-15-10-000-801.

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- (b) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If you do not find a problem with the wiring, then continue.
- (7) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
- (8) Do this check of the wiring:
- (a) Remove the left multi-mode receiver (MMR), M34410. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
- (b) Do a wiring check between these pins of connector DM34410AB at shelf E1-2 and connector J410-A in the left AIMS cabinet (WDM 31-41-31) (SSM 31-41-03):
- | <b>DM34410AB</b> | <b>J410-A</b> |
|------------------|---------------|
| pin A8 . . . . . | pin F13       |
| pin B8 . . . . . | pin G14       |
- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left MMR, M34410. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (9) Re-install the left MMR, M34410. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
- (10) Do this check of the wiring:
- (a) Remove the right multi-mode receiver (MMR), M34510. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
- (b) Do a wiring check between these pins of connector DM34510AB at shelf E2-3 and connector J410-A in the left AIMS cabinet (WDM 31-41-31) (SSM 31-41-03):
- | <b>DM34510AB</b> | <b>J410-A</b> |
|------------------|---------------|
| pin A8 . . . . . | pin F13       |
| pin B8 . . . . . | pin G14       |
- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.

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- 2) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right MMR, M34510. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (11) Look at the message in existing faults and find the LRU that detected the fault.
- (a) Replace the applicable LRU.
- 1) If the GPWC detected the fault, replace the left GPWC, M34004.  
These are the tasks:  
Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801,  
Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
  - 2) If the TCAS detected the fault, replace the TCAS, M34006.  
These are the tasks:  
TCAS Computer Removal, AMM TASK 34-45-01-000-801,  
TCAS Computer Installation, AMM TASK 34-45-01-400-801.
  - 3) If the left SDU detected the fault, replace the left SDU, M23106.  
These are the tasks:  
Satellite Data Unit Removal, AMM TASK 23-15-10-000-801,  
Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
  - 4) If the left MMR detected the fault, replace the left MMR, M34410.  
These are the tasks:  
Receiver for ILS - Removal, AMM TASK 34-31-01-000-801,  
Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - 5) If the right MMR detected the fault, replace the right MMR, M34510.  
These are the tasks:  
Receiver for ILS - Removal, AMM TASK 34-31-01-000-801,  
Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 882. **AIMS-R No Output On Right Inertial Reference Bus - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-68898.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the ground proximity warning computer (GPWC), M34004. To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
- (c) Do a wiring check between these pins of connector DM34004AB at the E1-4 shelf and connector J410-A in the right AIMS cabinet (WDM 31-41-31) (SSM 31-41-06):

| <b>DM34004AB</b>  | <b>J410-A</b> |
|-------------------|---------------|
| pin C10 . . . . . | pin F13       |
| pin D10 . . . . . | pin G14       |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the IOM(M008) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
- (4) Do this check of the wiring:
- (a) Do a wiring check between these pins of connector DM23080AA at the E2-4 shelf and connector J410-A in the right AIMS cabinet (WDM 31-41-32) (SSM 31-41-06):

| <b>DM23080AA</b> | <b>J410-A</b> |
|------------------|---------------|
| pin 34 . . . . . | pin F13       |
| pin 35 . . . . . | pin G14       |

- (b) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.

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- 2) Re-install the IOM(M008) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If you do not find a problem with the wiring, then continue.
- (5) Do this check of the wiring:
  - (a) Remove the left satellite data unit (SDU), M23106. To remove it, do this task: Satellite Data Unit Removal, AMM TASK 23-15-10-000-801.
  - (b) Do a wiring check between these pins of connector DM23106AB at the E11-1 shelf and connector J410-A in the right AIMS cabinet (WDM 31-41-32) (SSM 31-41-06):

| <b>DM23106AB</b> | <b>J410-A</b> |
|------------------|---------------|
| pin C6 . . . . . | pin F13       |
| pin D6 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (6) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
- (7) Do this check of the wiring:
  - (a) Remove the left weather radar transceiver (WXR xcvr), M34116. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
  - (b) Do a wiring check between these pins of connector DM34116AB at STA 142, WL 168, BL 0 and connector J410-A in the right AIMS cabinet (WDM 31-41-32) (SSM 31-41-06):

| <b>DM34116AB</b>  | <b>J410-A</b> |
|-------------------|---------------|
| pin G12 . . . . . | pin F13       |
| pin G13 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left WXR xcvr, M34116. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.

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- (8) Re-install the left WXR xcvr, M34116. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
- (9) Do this check of the wiring:
- (a) Remove the right weather radar transceiver (WXR xcvr), M34216. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
  - (b) Do a wiring check between these pins of connector DM34116AB at STA 155, WL 168, RBL 21 and connector J410-A in the right AIMS cabinet (WDM 31-41-32) (SSM 31-41-06):
- | <b>DM34216AB</b>  | <b>J410-A</b> |
|-------------------|---------------|
| pin J11 . . . . . | pin F13       |
| pin J12 . . . . . | pin G14       |
- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M008) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right WXR xcvr, M34216. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (10) Re-install the right WXR xcvr, M34216. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
- (11) Do this check of the wiring:
- (a) Remove the left multi-mode receiver (MMR), M34410. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34410AB at shelf E1-2 and connector J410-A in the right AIMS cabinet (WDM 31-41-32) (SSM 31-41-06):
- | <b>DM34410AB</b> | <b>J410-A</b> |
|------------------|---------------|
| pin G8 . . . . . | pin F13       |
| pin H8 . . . . . | pin G14       |
- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M008) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left MMR, M34410. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (12) Re-install the left MMR, M34410. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
- (13) Do this check of the wiring:

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- (a) Remove the right multi-mode receiver (MMR), M34510. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
- (b) Do a wiring check between these pins of connector DM34510AB at shelf E2-3 and connector J410-A in the right AIMS cabinet (WDM 31-41-32) (SSM 31-41-06):

| <b>DM34510AB</b> | <b>J410-A</b> |
|------------------|---------------|
| pin G8 .....     | pin F13       |
| pin H8 .....     | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M008) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the right MMR, M34510. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
- (14) Look at the message in existing faults and find the LRU that detected the fault.
- (a) Replace the applicable LRU.
    - 1) If the GPWC detected the fault, replace the GPWC, M34004.  
These are the tasks:  
Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801,  
Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
    - 2) If the left SDU detected the fault, replace the left SDU, M23106.  
These are the tasks:  
Satellite Data Unit Removal, AMM TASK 23-15-10-000-801,  
Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
    - 3) If the left WXR xcvr detected the fault, replace the left WXR xcvr, M34116.  
These are the tasks:  
WXR Transceiver Removal, AMM TASK 34-43-02-000-801,  
WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
    - 4) If the right WXR xcvr detected the fault, replace the right WXR xcvr, M34216.  
These are the tasks:  
WXR Transceiver Removal, AMM TASK 34-43-02-000-801,  
WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
    - 5) If the left MMR detected the fault, replace the left MMR, M34410.  
These are the tasks:  
Receiver for ILS - Removal, AMM TASK 34-31-01-000-801,  
Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
    - 6) If the right MMR detected the fault, replace the right MMR, M34510.  
These are the tasks:

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Receiver for ILS - Removal, AMM TASK 34-31-01-000-801,

Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.

- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 883. AIMS-L No Output On DCMF-L Bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-68899.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the right VHF communication transceiver (VHF comm xcvr), M23203. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
- (c) Do a wiring check between these pins of connector DM23203AB at the E2-3 shelf and connector J420-A in the left AIMS cabinet (WDM 23-27-11) (SSM 31-41-03):

#### **DM23203AB**

#### **J420-A**

pin A12 . . . . . pin F13

pin B12 . . . . . pin G14

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- 3) Re-install the right VHF comm xcvr, M23203. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the right VHF comm xcvr, M23203. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the center VHF comm xcvr, M23303. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - (b) Do a wiring check between these pins of connector DM23303AB at the E1-2 shelf and connector J420-A in the left AIMS cabinet (WDM 23-27-11) (SSM 31-41-03):

| <b>DM23303AB</b>  | <b>J420-A</b> |
|-------------------|---------------|
| pin A12 . . . . . | pin F13       |
| pin B12 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the center VHF comm xcvr, M23303. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the center VHF comm xcvr, M23303. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- (6) Do this check of the wiring:
  - (a) Remove the left satellite data unit (SDU), M23106. To remove it, do this task: Satellite Data Unit Removal, AMM TASK 23-15-10-000-801.
  - (b) Do a wiring check between these pins of connector DM23106AB at the E11-1 shelf and connector J420-A in the left AIMS cabinet (WDM 23-27-11) (SSM 31-41-03):

| <b>DM23106AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin G1 . . . . . | pin F13       |
| pin H1 . . . . . | pin G14       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (d) If you do not find a problem with the wiring, then continue.
- (7) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
- (8) Do this check of the wiring:
- (a) Remove the left ATC/Mode S transponder (ATC transponder), M34107. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
- (b) Do a wiring check between these pins of connector DM34107AA at the E1-3 shelf and connector J420-A in the left AIMS cabinet (WDM 23-27-11) (SSM 31-41-03):
- | <b>DM34107AA</b> | <b>J420-A</b> |
|------------------|---------------|
| pin A2           | pin F13       |
| pin B2           | pin G14       |
- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left ATC transponder, M34107. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (9) Re-install the left ATC transponder, M34107. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- (10) Do this check of the wiring:
- (a) Remove the flight deck printer, M31004. To remove it, do this task: Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801.
- (b) Do a wiring check between these pins of connector DM31004A at STA 198, WL 217, BL 0 in the flight compartment and connector J420-A in the left AIMS cabinet (WDM 23-27-11) (SSM 31-41-03):
- | <b>DM31004A</b> | <b>J420-A</b> |
|-----------------|---------------|
| pin JJ          | pin F13       |
| pin PP          | pin G14       |
- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the flight deck printer, M31004. To install it, do this task: Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (11) Re-install the flight deck printer, M31004. To install it, do this task: Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.

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(12) Do this check of the wiring:

- (a) Do a wiring check between these pins of connector DM23443AA at the E15 shelf and connector J420-A in the left AIMS cabinet (WDM 23-27-11) (SSM 31-41-03):

| <b>DM23443AA</b> | <b>J420-A</b> |
|------------------|---------------|
| pin 58 .....     | pin F13       |
| pin 59 .....     | pin G14       |

(b) If you find a problem with the wiring, then do these steps:

- 1) Repair the wiring.
- 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the flight deck printer, M31004. To install it, do this task: Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

(c) If you do not find a problem with the wiring, then continue.

(13) Look at the message in existing faults and find the LRU that detected the fault.

(a) Replace the applicable LRU.

- 1) If the right VHF comm xcvr detected the fault, replace the right VHF xcvr, M23203.

These are the tasks:

VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801,  
VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.

- 2) If the center VHF comm xcvr detected the fault, replace the center VHF xcvr, M23303.

These are the tasks:

VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801,  
VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.

- 3) If the left SDU detected the fault, replace the left SDU, M23106.

These are the tasks:

Satellite Data Unit Removal, AMM TASK 23-15-10-000-801,  
Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.

- 4) If the left ATC transponder detected the fault, replace the left ATC transponder, M34107.

These are the tasks:

ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801,  
ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.

- 5) If the flight deck printer detected the fault, replace the flight deck printer, M31004.

These are the tasks:

WXR Transceiver Removal, AMM TASK 34-43-02-000-801,  
WXR Transceiver Installation, AMM TASK 34-43-02-400-801.

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- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 884. AIMS-R No Output On DCMF-R Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-68900.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the right VHF communication transceiver (VHF comm xcvr), M23203. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
- (c) Do a wiring check between these pins of connector DM23203AB at the E2-3 shelf and connector J420-A in the right AIMS cabinet (WDM 23-27-12) (SSM 31-41-06):

##### DM23203AB

pin C12 ..... pin F13  
pin D12 ..... pin G14

##### J420-A

- (d) If you find a problem with the wiring, then do these steps:

- 1) Repair the wiring.
- 2) Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the right VHF comm xcvr, M23203. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the right VHF comm xcvr, M23203. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- (4) Do this check of the wiring:
- (a) Remove the center VHF comm xcvr, M23303. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
- (b) Do a wiring check between these pins of connector DM23303AB at the E1-2 shelf and connector J420-A in the right AIMS cabinet (WDM 23-27-12) (SSM 31-41-06):
- | <b>DM23303AB</b>  | <b>J420-A</b> |
|-------------------|---------------|
| pin C12 . . . . . | pin F13       |
| pin D12 . . . . . | pin G14       |
- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the center VHF comm xcvr, M23303. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the center VHF comm xcvr, M23303. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- (6) Do this check of the wiring:
- (a) Remove the left satellite data unit (SDU), M23106. To remove it, do this task: Satellite Data Unit Removal, AMM TASK 23-15-10-000-801.
- (b) Do a wiring check between these pins of connector DM23106AB at the E11-1 shelf and connector J420-A in the right AIMS cabinet (WDM 23-27-12) (SSM 31-41-06):
- | <b>DM23106AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin G3 . . . . . | pin F13       |
| pin H3 . . . . . | pin G14       |
- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (7) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.

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- (8) Do this check of the wiring:
- (a) Remove the right ATC/Mode S transponder (ATC transponder), M34207. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34207AA at the E2-3 shelf and connector J420-A in the right AIMS cabinet (WDM 23-27-12) (SSM 31-41-06):

|                  |               |
|------------------|---------------|
| <b>DM34207AA</b> | <b>J420-A</b> |
| pin A2 . . . . . | pin F13       |
| pin B2 . . . . . | pin G14       |
  - (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the right ATC transponder, M34207. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
- (9) Re-install the right ATC transponder, M34207. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- (10) Do this check of the wiring:
- (a) Remove the flight deck printer, M31004. To remove it, do this task: Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801.
  - (b) Do a wiring check between these pins of connector DM31004A at STA 198, WL 217, BL 0 in the flight compartment and connector J420-A in the right AIMS cabinet (WDM 23-27-12) (SSM 31-41-06):

|                 |               |
|-----------------|---------------|
| <b>DM31004A</b> | <b>J420-A</b> |
| pin Z . . . . . | pin F13       |
| pin Y . . . . . | pin G14       |
  - (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the flight deck printer, M31004. To install it, do this task: Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
- (11) Re-install the flight deck printer, M31004. To install it, do this task: Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.
- (12) Do this check of the wiring:
- (a) Do a wiring check between these pins of connector DM23443AA at the E15 shelf and connector J420-A in the right AIMS cabinet (WDM 23-27-12) (SSM 31-41-06):

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**DM23443AA**

**J420-A**

pin 56 ..... pin F13

pin 57 ..... pin G14

- (b) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If you do not find a problem with the wiring, then continue.
- (13) Look at the message in existing faults and find the LRU that detected the fault.
- (a) Replace the applicable LRU.
- 1) If the right VHF comm xcvr detected the fault, replace the right VHF xcvr, M23203.  
These are the tasks:  
VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801,  
VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 2) If the center VHF comm xcvr detected the fault, replace the center VHF xcvr, M23303.  
These are the tasks:  
VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801,  
VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 3) If the left SDU detected the fault, replace the left SDU, M23106.  
These are the tasks:  
Satellite Data Unit Removal, AMM TASK 23-15-10-000-801,  
Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
  - 4) If the right ATC transponder detected the fault, replace the right ATC transponder, M34207.  
These are the tasks:  
ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801,  
ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
  - 5) If the flight deck printer detected the fault, replace the flight deck printer, M31004.  
These are the tasks:  
WXR Transceiver Removal, AMM TASK 34-43-02-000-801,  
WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 885. AIMS-L No Output On CMCS-L Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-68901.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the left VHF communication transceiver (VHF comm xcvr), M23103. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - (b) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DM23103AB at the P1-3 panel and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

#### DM23103AB

pin A6 . . . . . pin F11  
pin B6 . . . . . pin G12

#### J420-A

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left VHF comm xcvr, M23103. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the left VHF comm xcvr, M23103. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.

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- (4) Do this check of the wiring:
- (a) Remove the right VHF comm xcvr, M23203. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - (b) Do a wiring check between these pins of connector DM23203AB at the E2-3 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

| <b>DM23203AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin A6 . . . . . | pin F11       |
| pin B6 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the right VHF comm xcvr, M23203. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the right VHF comm xcvr, M23203. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- (6) Do this check of the wiring:
- (a) Remove the center VHF comm xcvr, M23303. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - (b) Do a wiring check between these pins of connector DM23303AB at the E1-2 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

| <b>DM23303AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin A6 . . . . . | pin F11       |
| pin B6 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the center VHF comm xcvr, M23303. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
- (7) Re-install the center VHF comm xcvr, M23303. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- (8) Do this check of the wiring:
- (a) Remove the left HF communication transceiver (HF comm xcvr), M23101. To remove it, do this task: HF Communication Transceiver Removal, AMM TASK 23-11-05-000-801.

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- (b) Do a wiring check between these pins of connector DM23101AB at the E6-1 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

| <b>DM23101AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin A4 .....     | pin F11       |
| pin B6 .....     | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left HF comm xcvr, M23101. To install it, do this task: HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (9) Re-install the left HF comm xcvr, M23101 To install it, do this task: HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801.
- (10) Do this check of the wiring:
- (a) Remove the left satellite data unit (SDU), M23106. To remove it, do this task: Satellite Data Unit Removal, AMM TASK 23-15-10-000-801.
- (b) Do a wiring check between these pins of connector DM23106AB at the E11-1 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):
- | <b>DM23106AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin C4 .....     | pin F11       |
| pin D4 .....     | pin G12       |
- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (11) Re-install the left SDU, M23106. To install it, do this task: Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.
- (12) Do this check of the wiring:
- (a) Remove the flight deck printer, M31004. To remove it, do this task: Flight Compartment Printer Removal, AMM TASK 31-33-01-000-801.
- (b) Do a wiring check between these pins of connector DM31004A at STA 198, WL 217, BL 0 in the flight compartment and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

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### DM31004A

|       |       |         |
|-------|-------|---------|
| pin K | ..... | pin F11 |
| pin M | ..... | pin G12 |

### J420-A

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the flight deck printer, M31004. To install it, do this task: Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (13) Re-install the flight deck printer, M31004. To install it, do this task: Flight Compartment Printer Installation, AMM TASK 31-33-01-400-801.
- (14) Do this check of the wiring:
- (a) Remove the left window heat control unit (WHCU), M30101. To remove it, do this task: Window Heat Control Unit Removal, AMM TASK 30-41-01-000-801.
  - (b) Do a wiring check between these pins of connector DM30101AB at the E1-1 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

### DM30101AB

|        |       |         |
|--------|-------|---------|
| pin 25 | ..... | pin F11 |
| pin 26 | ..... | pin G12 |

### J420-A

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left WHCU, M30101. To install it, do this task: Window Heat Control Unit Installation, AMM TASK 30-41-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (15) Re-install the left WHCU, M30101. To install it, do this task: Window Heat Control Unit Installation, AMM TASK 30-41-01-400-801.
- (16) Do this check of the wiring:
- (a) Remove the left radio altimeter transceiver (RA xcvr), M34112. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34112AB at the E5-4 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

### DM34112AB

|        |       |         |
|--------|-------|---------|
| pin A1 | ..... | pin F11 |
| pin A2 | ..... | pin G12 |

### J420-A

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- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left RA xcvr, M34112. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (17) Re-install the left RA xcvr, M34112. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
- (18) Do this check of the wiring:
  - (a) Remove the left weather radar transceiver (WXR xcvr), M34116. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
  - (b) Do a wiring check between these pins of connector DM34116AB at STA 142, WL 168, BL 0 and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

| DM34116AB | J420-A  |
|-----------|---------|
| pin A1    | pin F11 |
| pin B1    | pin G12 |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left WXR xcvr, M34116. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (19) Re-install the left WXR xcvr, M34116. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
- (20) Do this check of the wiring:
  - (a) Remove the TCAS computer, M34006. To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34006AF at the E1-2 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

| DM34006AF | J420-A  |
|-----------|---------|
| pin G6    | pin F11 |
| pin H6    | pin G12 |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.

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- 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (21) Re-install the TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
- (22) Do this check of the wiring:
- (a) Remove the left VOR/MB receiver, M34115. To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34115AB at the E1-3 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

| <b>DM34115AB</b>  | <b>J420-A</b> |
|-------------------|---------------|
| pin B14 . . . . . | pin F11       |
| pin C14 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left VOR/MB receiver, M34115. To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (23) Re-install the left VOR/MB receiver, M34115. To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
- (24) Do this check of the wiring:
- (a) Remove the left multi-mode receiver (MMR), M34410. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34410AB at the E1-2 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

| <b>DM34410AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin E1 . . . . . | pin F11       |
| pin F1 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left MMR, M34410. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (25) Re-install the left MMR, M34410. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
- (26) Do this check of the wiring:
  - (a) Remove the left ADF receiver, M34108. To remove it, do this task: ADF Receiver Removal, AMM TASK 34-57-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34108AB at the E1-2 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

| <b>DM34108AB</b>  | <b>J420-A</b> |
|-------------------|---------------|
| pin A14 . . . . . | pin F11       |
| pin A15 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left ADF receiver, M34108. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (27) Re-install the left ADF receiver, M34108. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
- (28) Do this check of the wiring:
  - (a) Remove the left DME interrogator, M34109. To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34109AB at the E1-2 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

| <b>DM34109AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin E6 . . . . . | pin F11       |
| pin F6 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left DME interrogator, M34109. To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.

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- (29) Re-install the left DME interrogator, M34109. To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
- (30) Do this check of the wiring:
- (a) Remove the left ATC/Mode S transponder (ATC transponder), M34107. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34107AB at the E1-3 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-11) (SSM 31-41-03):

| <b>DM34107AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin A6 . . . . . | pin F11       |
| pin B6 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M009) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the left ATC transponder, M34107. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
- (31) Look at the message in existing faults and find the LRU that detected the fault.
- (a) Replace the applicable LRU.
    - 1) If the left VHF comm xcvr detected the fault, replace the left VHF comm xcvr, M23103.  
These are the tasks:  
VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801,  
VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
    - 2) If the right VHF comm xcvr detected the fault, replace the right VHF comm xcvr, M23203.  
These are the tasks:  
VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801,  
VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
    - 3) If the center VHF comm xcvr detected the fault, replace the center VHF comm xcvr, M23303.  
These are the tasks:  
VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801,  
VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
    - 4) If the left HF comm xcvr detected the fault, replace the left HF comm xcvr, M23101.  
These are the tasks:  
HF Communication Transceiver Removal, AMM TASK 23-11-05-000-801,  
HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801.
    - 5) If the left SDU detected the fault, replace the left SDU, M23106.

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These are the tasks:

Satellite Data Unit Removal, AMM TASK 23-15-10-000-801,  
Satellite Data Unit Installation, AMM TASK 23-15-10-400-801.

- 6) If the flight deck printer detected the fault, replace the flight deck printer, M31004.

These are the tasks:

WXR Transceiver Removal, AMM TASK 34-43-02-000-801,  
WXR Transceiver Installation, AMM TASK 34-43-02-400-801.

- 7) If the left WHCU detected the fault, replace the left WHCU, M30101.

These are the tasks:

Window Heat Control Unit Removal, AMM TASK 30-41-01-000-801,  
Window Heat Control Unit Installation, AMM TASK 30-41-01-400-801.

- 8) If the left RA xcvr detected the fault, replace the left RA xcvr, M34112.

These are the tasks:

Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801,  
Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.

- 9) If the left WXR xcvr detected the fault, replace the left WXR xcvr, M34116.

These are the tasks:

WXR Transceiver Removal, AMM TASK 34-43-02-000-801,  
WXR Transceiver Installation, AMM TASK 34-43-02-400-801.

- 10) If the TCAS computer detected the fault, replace the TCAS computer, M34006.

These are the tasks:

TCAS Computer Removal, AMM TASK 34-45-01-000-801,  
TCAS Computer Installation, AMM TASK 34-45-01-400-801.

- 11) If the left VOR/MB receiver detected the fault, replace the left VOR/MB receiver, M34115.

These are the tasks:

VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801,  
VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.

- 12) If the left multi-mode receiver (MMR) detected the fault, replace the left MMR, M34410.

These are the tasks:

Receiver for ILS - Removal, AMM TASK 34-31-01-000-801,  
Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.

- 13) If the left ADF receiver detected the fault, replace the left ADF receiver, M34108.

These are the tasks:

ADF Receiver Removal, AMM TASK 34-57-01-000-801,  
ADF Receiver Installation, AMM TASK 34-57-01-400-801.

- 14) If the left DME interrogator detected the fault, replace the left DME interrogator, M34109.

These are the tasks:

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DME Interrogator Removal, AMM TASK 34-55-01-000-801,  
DME Interrogator Installation, AMM TASK 34-55-01-400-801.

- 15) If the left ATC transponder detected the fault, replace the left ATC transponder, M34107.

These are the tasks:

ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801,  
ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.

- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 886. AIMS-R No Output On Left Nav Tuning Bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-68902.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the left VOR/MB receiver, M34115. To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.
- (c) Do a wiring check between these pins of connector DM34115AB at the E1-3 shelf and connector J420-A in the right AIMS cabinet (WDM 34-61-11) (SSM 31-41-06):

#### **DM34115AB**

pin B11 ..... pin F11  
pin C11 ..... pin G12

#### **J420-A**

- (d) If you find a problem with the wiring, then do these steps:

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- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left VOR/MB receiver, M34115. To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the left VOR/MB receiver, M34115. To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
- (4) Do this check of the wiring:
- (a) Remove the left multi-mode receiver (MMR), M34410. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34410AB at the E1-2 shelf and connector J420-A in the right AIMS cabinet (WDM 34-61-11) (SSM 31-41-06):
- | <b>DM34410AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin J1 . . . . . | pin F11       |
| pin K1 . . . . . | pin G12       |
- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left MMR, M34410. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the left MMR, M34410. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
- (6) Do this check of the wiring:
- (a) Remove the left ADF receiver, M34108. To remove it, do this task: ADF Receiver Removal, AMM TASK 34-57-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34108AB at the E1-2 shelf and connector J420-A in the right AIMS cabinet (WDM 34-61-11) (SSM 31-41-06):
- | <b>DM34108AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin B7 . . . . . | pin F11       |
| pin B8 . . . . . | pin G12       |
- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- 3) Re-install the left ADF receiver, M34108. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (7) Re-install the left ADF receiver, M34108. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
- (8) Do this check of the wiring:
  - (a) Remove the left DME interrogator, M34109. To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34109AB at the E1-2 shelf and connector J420-A in the right AIMS cabinet (WDM 34-61-11) (SSM 31-41-06):

| <b>DM34109AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin D3 . . . . . | pin F11       |
| pin E3 . . . . . | pin G12       |
- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M009) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left DME interrogator, M34109. To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (9) Re-install the left DME interrogator, M34109. To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
- (10) Look at the message in existing faults and find the LRU that detected the fault.
  - (a) Replace the applicable LRU.
    - 1) If the left VOR/MB receiver detected the fault, replace the left VOR/MB receiver, M34115.

These are the tasks:  
VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801,  
VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
    - 2) If the left multi-mode receiver (MMR) detected the fault, replace the left MMR, M34410.

These are the tasks:  
Receiver for ILS - Removal, AMM TASK 34-31-01-000-801,  
Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
    - 3) If the left ADF receiver detected the fault, replace the left ADF receiver, M34108.

These are the tasks:  
ADF Receiver Removal, AMM TASK 34-57-01-000-801,

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ADF Receiver Installation, AMM TASK 34-57-01-400-801.

- 4) If the left DME interrogator detected the fault, replace the left DME interrogator, M34109.

These are the tasks:

DME Interrogator Removal, AMM TASK 34-55-01-000-801,

DME Interrogator Installation, AMM TASK 34-55-01-400-801.

- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 887. **AIMS-L No Output On CMCS-R Bus - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-68903.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the left VHF communication transceiver (VHF comm xcvr), M23103. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - (b) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DM23103AB at the E1-3 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-21) (SSM 31-41-03):

#### **DM23103AB**

pin C6 . . . . . pin F11  
pin D6 . . . . . pin G12

#### **J420-A**

- (d) If you find a problem with the wiring, then do these steps:

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- 1) Repair the wiring.
  - 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left VHF comm xcvr, M23103. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the left VHF comm xcvr, M23103. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- (4) Do this check of the wiring:
- (a) Remove the center VHF comm xcvr, M23303. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - (b) Do a wiring check between these pins of connector DM23303AB at the E1-2 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-21) (SSM 31-41-03):

| <b>DM23303AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin C6 . . . . . | pin F11       |
| pin D6 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the center VHF comm xcvr, M23303. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the center VHF comm xcvr, M23303. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- (6) Do this check of the wiring:
- (a) Remove the right VHF comm xcvr, M23203. To remove it, do this task: VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801.
  - (b) Do a wiring check between these pins of connector DM23203AB at the E2-3 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-21) (SSM 31-41-03):

| <b>DM23203AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin C6 . . . . . | pin F11       |
| pin D6 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- 3) Re-install the right VHF comm xcvr, M23203. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (7) Re-install the right VHF comm xcvr, M23203. To install it, do this task: VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
- (8) Do this check of the wiring:
  - (a) Remove the right VOR/MB receiver, M34215. To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34215AB at the E2-3 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-21) (SSM 31-41-03):

| DM34215AB | J420-A  |
|-----------|---------|
| pin B14   | pin F11 |
| pin C14   | pin G12 |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right VOR/MB receiver, M34215. To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (9) Re-install the right VOR/MB receiver, M34215. To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
- (10) Do this check of the wiring:
  - (a) Remove the right multi-mode receiver, M34510. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34510AB at the E2-3 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-21) (SSM 31-41-03):

| DM34510AB | J420-A  |
|-----------|---------|
| pin E1    | pin F11 |
| pin F1    | pin G12 |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right MMR, M34510. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (d) If you do not find a problem with the wiring, then continue.
- (11) Re-install the right MMR, M34510. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
- (12) Do this check of the wiring:
- (a) Remove the right ADF receiver, M34208. To remove it, do this task: ADF Receiver Removal, AMM TASK 34-57-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34208AB at the E2-3 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-21) (SSM 31-41-03):

| <b>DM34208AB</b>  | <b>J420-A</b> |
|-------------------|---------------|
| pin A14 . . . . . | pin F11       |
| pin A15 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the right ADF receiver, M34208. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
- (13) Re-install the right ADF receiver, M34208. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
- (14) Do this check of the wiring:
- (a) Remove the right DME interrogator, M34209. To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34209AB at the E2-3 shelf and connector J420-A in the left AIMS cabinet (WDM 34-61-15) (SSM 31-41-03):

| <b>DM34209AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin E6 . . . . . | pin F11       |
| pin F6 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the right DME interrogator, M34209. To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
- (15) Re-install the right DME interrogator, M34209. To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.

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- (16) Do this check of the wiring:
- (a) Remove the right ATC/Mode S transponder (ATC transponder), M34207. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
  - (b) Do a wiring check between these pins of connector DM34207AB at the E2-3 shelf and connector J420-A in the left AIMS cabinet (WDM 45-35-53) (SSM 31-41-03):

| <b>DM34207AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin A6 . . . . . | pin F11       |
| pin B6 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the right ATC transponder, M34207. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
- (17) Re-install the right ATC transponder, M34207. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.

- (18) Do this check of the wiring:
- (a) Remove the right window heat control unit (WHCU), M30201. To remove it, do this task: Window Heat Control Unit Removal, AMM TASK 30-41-01-000-801.
  - (b) Do a wiring check between these pins of connector DM30101AB at the E2-2 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-21) (SSM 31-41-03):

| <b>DM30201AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin 25 . . . . . | pin F11       |
| pin 26 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the right WHCU, M30201. To install it, do this task: Window Heat Control Unit Installation, AMM TASK 30-41-01-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If you do not find a problem with the wiring, then continue.
- (19) Re-install the right WHCU, M30201. To install it, do this task: Window Heat Control Unit Installation, AMM TASK 30-41-01-400-801.
- (20) Do this check of the wiring:
- (a) Remove the right radio altimeter transceiver (RA xcvr), M34212. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.

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- (b) Do a wiring check between these pins of connector DM34112AB at the E5-2 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-21) (SSM 31-41-03):

| <b>DM34212AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin A1 .....     | pin F11       |
| pin A2 .....     | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right RA xcvr, M34212. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (21) Re-install the right RA xcvr, M34212. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
- (22) Do this check of the wiring:
- (a) Remove the right HF communication transceiver (HF comm xcvr), M23201. To remove it, do this task: HF Communication Transceiver Removal, AMM TASK 23-11-05-000-801.
- (b) Do a wiring check between these pins of connector DM23201AB at the E6-1 shelf and connector J420-A in the left AIMS cabinet (WDM 45-45-21) (SSM 31-41-03):

| <b>DM23201AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin A4 .....     | pin F11       |
| pin B4 .....     | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right HF comm xcvr, M23201. To install it, do this task: HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (23) Re-install the right HF comm xcvr, M23201 To install it, do this task: HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801.
- (24) Do this check of the wiring:
- (a) Remove the right weather radar transceiver (WXR xcvr), M34216. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
- (b) Do a wiring check between these pins of connector DM34116AB at STA 155, WL 168, RBL 21 and connector J420-A in the left AIMS cabinet (WDM 45-45-21) (SSM 31-41-03):

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### DM34216AB

pin A1 ..... pin F11  
pin B1 ..... pin G12

### J420-A

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M004) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right WXR xcvr, M34216. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (25) Re-install the right WXR xcvr, M34216. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
- (26) Look at the message in existing faults and find the LRU that detected the fault.
- (a) Replace the applicable LRU.
- 1) If the left VHF comm xcvr detected the fault, replace the left VHF comm xcvr, M23103.  
These are the tasks:  
VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801,  
VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 2) If the right VHF comm xcvr detected the fault, replace the right VHF comm xcvr, M23203.  
These are the tasks:  
VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801,  
VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 3) If the center VHF comm xcvr detected the fault, replace the center VHF comm xcvr, M23303.  
These are the tasks:  
VHF Communication Transceiver Removal, AMM TASK 23-12-01-000-801,  
VHF Communication Transceiver Installation, AMM TASK 23-12-01-400-801.
  - 4) If the right VOR/MB receiver detected the fault, replace the right VOR/MB receiver, M34215.  
These are the tasks:  
VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801,  
VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
  - 5) If the right multi-mode receiver (MMR) detected the fault, replace the right MMR, M34510.  
These are the tasks:  
Receiver for ILS - Removal, AMM TASK 34-31-01-000-801,  
Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.

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- 6) If the right ADF receiver detected the fault, replace the right ADF receiver, M34208.  
These are the tasks:  
ADF Receiver Removal, AMM TASK 34-57-01-000-801,  
ADF Receiver Installation, AMM TASK 34-57-01-400-801.
  - 7) If the right DME interrogator detected the fault, replace the right DME interrogator, M34209.  
These are the tasks:  
DME Interrogator Removal, AMM TASK 34-55-01-000-801,  
DME Interrogator Installation, AMM TASK 34-55-01-400-801.
  - 8) If the right ATC transponder detected the fault, replace the right ATC transponder, M34207.  
These are the tasks:  
ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801,  
ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
  - 9) If the right WHCU detected the fault, replace the right WHCU, M30201.  
These are the tasks:  
Window Heat Control Unit Removal, AMM TASK 30-41-01-000-801,  
Window Heat Control Unit Installation, AMM TASK 30-41-01-400-801.
  - 10) If the right RA xcvr detected the fault, replace the right RA xcvr, M34212.  
These are the tasks:  
Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801,  
Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
  - 11) If the right HF comm xcvr detected the fault, replace the right HF comm xcvr, M23201.  
These are the tasks:  
HF Communication Transceiver Removal, AMM TASK 23-11-05-000-801,  
HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801.
  - 12) If the right WXR xcvr detected the fault, replace the right WXR xcvr, M34216.  
These are the tasks:  
WXR Transceiver Removal, AMM TASK 34-43-02-000-801,  
WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 888. AIMS-R No Output On Right Nav Tuning Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-68904.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace IOM(M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the right VOR/MB receiver, M34215. To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.
  - (c) Do a wiring check between these pins of connector DM34215AB at the E2-3 shelf and connector J420-A in the right AIMS cabinet (WDM 34-61-12) (SSM 31-41-06):

| <b>DM34215AB</b>  | <b>J420-A</b> |
|-------------------|---------------|
| pin B11 . . . . . | pin F11       |
| pin C11 . . . . . | pin G12       |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M004) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right VOR/MB receiver, M34215. To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the right VOR/MB receiver, M34215. To install it, do this task: VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the right multi-mode receiver (MMR), M34510. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.

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- (b) Do a wiring check between these pins of connector DM34510AB at the E2-3 shelf and connector J420-A in the right AIMS cabinet (WDM 34-61-12) (SSM 31-41-06):

| <b>DM34510AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin J1 .....     | pin F11       |
| pin K1 .....     | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M004) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right MMR, M34510. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the right MMR, M34510. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
- (6) Do this check of the wiring:
- (a) Remove the right ADF receiver, M34208. To remove it, do this task: ADF Receiver Removal, AMM TASK 34-57-01-000-801.
- (b) Do a wiring check between these pins of connector DM34208AB at the E2-3 shelf and connector J420-A in the right AIMS cabinet (WDM 34-61-12) (SSM 31-41-06):

| <b>DM34208AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin B7 .....     | pin F11       |
| pin B8 .....     | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M004) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right ADF receiver, M34208. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (7) Re-install the right ADF receiver, M34208. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
- (8) Do this check of the wiring:
- (a) Remove the right DME interrogator, M34209. To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
- (b) Do a wiring check between these pins of connector DM34209AB at the E2-3 shelf and connector J420-A in the right AIMS cabinet (WDM 34-61-12) (SSM 31-41-06):

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### DM34209AB

pin D3 ..... pin F11  
pin E3 ..... pin G12

### J420-A

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M004) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right DME interrogator, M34209. To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
  - 4) Re-install the right ADF receiver, M34208. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
  - 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (9) Look at the message in existing faults and find the LRU that detected the fault.
- (a) Replace the applicable LRU.
- 1) If the right VOR/MB receiver detected the fault, replace the right VOR/MB receiver, M34215.  
These are the tasks:  
VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801,  
VOR/MB Receiver Installation, AMM TASK 34-51-01-400-801.
  - 2) If the right multi-mode receiver (MMR) detected the fault, replace the right MMR, M34510.  
These are the tasks:  
Receiver for ILS - Removal, AMM TASK 34-31-01-000-801,  
Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - 3) If the right ADF receiver detected the fault, replace the right ADF receiver, M34208.  
These are the tasks:  
ADF Receiver Removal, AMM TASK 34-57-01-000-801,  
ADF Receiver Installation, AMM TASK 34-57-01-400-801.
  - 4) If the right DME interrogator detected the fault, replace the right DME interrogator, M34209.  
These are the tasks:  
DME Interrogator Removal, AMM TASK 34-55-01-000-801,  
DME Interrogator Installation, AMM TASK 34-55-01-400-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 889. AIMS-L No Output On Center CMCS Cabinet Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-68905.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M008) in the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the center radio altimeter transceiver (RA xcvr), M34312. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
  - (c) Do a wiring check between these pins of connector DM34112AB at the E5-3 shelf and connector J410-A in the left AIMS cabinet (WDM 45-45-31) (SSM 31-41-03):

| DM34112AB | J410-A  |
|-----------|---------|
| pin A1    | pin F11 |
| pin A2    | pin G12 |
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the center RA xcvr, M34312. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the center RA xcvr, M34312. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
- (4) Do this check of the wiring:

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- (a) Remove the center multi-mode receiver (MMR), M34610. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
- (b) Do a wiring check between these pins of connector DM34610AB at the E1-3 shelf and connector J410-A in the left AIMS cabinet (WDM 45-45-31) (SSM 31-41-03):

| <b>DM34610AB</b> | <b>J410-A</b> |
|------------------|---------------|
| pin E1 . . . . . | pin F11       |
| pin F1 . . . . . | pin G12       |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the center MMR, M34610. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (5) Re-install the center MMR, M34610. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
- (6) Do this check of the wiring:
  - (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the ground proximity warning computer (GPWC), M34004. To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
  - (c) Do a wiring check between these pins of connector DM34004AA at the E1-4 shelf and connector J410-A in the left AIMS cabinet (WDM 31-41-32) (SSM 31-41-03):

| <b>DM34004AA</b> | <b>J410-A</b> |
|------------------|---------------|
| pin A9 . . . . . | pin F11       |
| pin B9 . . . . . | pin G12       |

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M008) in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If you do not find a problem with the wiring, then continue.
  - (7) Look at the message in existing faults and find the LRU that detected the fault.
    - (a) Replace the applicable LRU.
      - 1) If the center RA xcvr detected the fault, replace the center RA xcvr, M34312.
- These are the tasks:

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Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801,  
Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.

- 2) If the center multi-mode receiver (MMR) detected the fault, replace the center MMR, M34610.

These are the tasks:

Receiver for ILS - Removal, AMM TASK 34-31-01-000-801,  
Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.

- 3) If the GPWC detected the fault, replace the GPWC, M34004.

These are the tasks:

Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801,  
Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.

- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ———— END OF TASK ————

## 890. AIMS-R No Output On Right General Purpose #1 Bus - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-68906.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the ground proximity warning computer (GPWC), M34004. To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
  - (c) Do a wiring check between these pins of connector DM34004AA at the E1-4 shelf and connector J240-B in the right AIMS cabinet (WDM 31-41-23) (SSM 31-41-06):

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### DM34004AA

pin C9 ..... pin F11  
pin D9 ..... pin G12

### J240-B

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
  - 3) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
- (4) Do this check of the wiring:
- (a) Do a wiring check between these pins of connector DM23080AB at the E12-1 shelf and connector J240-B in the right AIMS cabinet (WDM 31-41-23) (SSM 31-41-06):

### DM23080AB

pin 21 ..... pin F11  
pin 22 ..... pin G12

### J240-B

- (b) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M003) in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If you do not find a problem with the wiring, then continue.
- (5) Replace the GPWC, M34004.
- These are the tasks:
- Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801,  
Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

## 891. Display Unit No Input From CPM/GG In AIMS On Coax - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-80211, 31-80212, 31-80213, 31-80214, 31-80221, 31-80222, 31-80223, 31-80224, 31-80231, 31-80232, 31-80233, 31-80234, 31-80241, 31-80242, 31-80243, 31-80244, 31-80251, 31-80252, 31-80253, 31-80254, 31-80261, 31-80262, 31-80263, 31-80264.

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### B. Initial Evaluation

**NOTE:** A loose coaxial cable connection at a coaxial coupler is a known cause of faults. For multiple faults, look for a common coupler.

**NOTE:** A loose coaxial cable connection at a coaxial coupler and intermittent GG can cause blinking of the display units. If there is an intermittent coax connection or an intermittent GG fault, the flight crew might see a DU blink 3 to six times, and then the redundancy logic takes effect and the blinking stop.

- (1) Start the applicable MAT test, found in chapter 31 AIMS - Display Systems, Special Functions, for the maintenance message.

**NOTE:** The tests will loop continuously so you can fault isolate the applicable display system. Stop the test when you are done with the fault isolation.

- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (3) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**NOTE:** A loose coaxial cable connection at a coaxial coupler can cause an intermittent fault.

### C. Fault Isolation Procedure

- (1) In the list below, find the MAT test, display unit (DU), AIMS module, connector numbers for the applicable maintenance message.

| MAINT MESSAGE | MAT TEST (LOOP TEST FORMAT)                  | DISPLAY UNIT(DU)     | AIMS MODULE                 | DU COAX CONNECTOR              | COUPLER COAX CONNECTOR       |
|---------------|----------------------------------------------|----------------------|-----------------------------|--------------------------------|------------------------------|
| 31-80211      | CPM/GG (M010-L M011-R) TO DU INTERFACE CHECK | LEFT OUTBOARD N31101 | CPM/GG (M010) IN LEFT AIMS  | DN31101AA<br>pin 1T<br>pin 1TC | DB31117A<br>pin A1<br>pin C1 |
| 31-80212      | CPM/GG (M010-R M011-L) TO DU INTERFACE CHECK | LEFT OUTBOARD N31101 | CPM/GG (M010) IN RIGHT AIMS | DN31101A<br>pin 3T<br>pin 3TC  | DB31215A<br>pin A1<br>pin C1 |
| 31-80213      | CPM/GG (M011-L M010-R) TO DU INTERFACE CHECK | LEFT OUTBOARD N31101 | CPM/GG (M011) IN LEFT AIMS  | DN31101AA<br>pin 2T<br>pin 2TC | DB31118A<br>pin A1<br>pin C1 |
| 31-80214      | CPM/GG (M011-R M010-L) TO DU INTERFACE CHECK | LEFT OUTBOARD N31101 | CPM/GG (M011) IN RIGHT AIMS | DN31101AA<br>pin 4T<br>pin 4TC | DB31216A<br>pin A1<br>pin C1 |

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| <b>MAINT<br/>MESSAGE</b> | <b>MAT TEST<br/>(LOOP TEST<br/>FORMAT)</b>                  | <b>DISPLAY<br/>UNIT(DU)</b> | <b>AIMS<br/>MODULE</b>            | <b>DU COAX<br/>CONNECTOR</b>   | <b>COUPLER<br/>COAX<br/>CONNECTOR</b> |
|--------------------------|-------------------------------------------------------------|-----------------------------|-----------------------------------|--------------------------------|---------------------------------------|
| 31-80221                 | CPM/GG<br>(M010-L<br>M011-R)<br>TO DU<br>INTERFACE<br>CHECK | LEFT INBOARD<br>N31102      | CPM/GG<br>(M010) IN LEFT<br>AIMS  | DN31102AA<br>pin 1T<br>pin 1TC | DB31117B<br>pin A1<br>pin C1          |
| 31-80222                 | CPM/GG<br>(M010-R<br>M011-L)<br>TO DU<br>INTERFACE<br>CHECK | LEFT INBOARD<br>N31102      | CPM/GG<br>(M010) IN<br>RIGHT AIMS | DN31102AA<br>pin 3T<br>pin 3TC | DB31215B<br>pin A1<br>pin C1          |
| 31-80223                 | CPM/GG<br>(M011-L<br>M010-R)<br>TO DU<br>INTERFACE<br>CHECK | LEFT INBOARD<br>N31102      | CPM/GG<br>(M011) IN LEFT<br>AIMS  | DN31102AA<br>pin 2T<br>pin 2TC | DB31118B<br>pin A1<br>pin C1          |
| 31-80224                 | CPM/GG<br>(M011-R<br>M010-L)<br>TO DU<br>INTERFACE<br>CHECK | LEFT INBOARD<br>N31102      | CPM/GG<br>(M011) IN<br>RIGHT AIMS | DN31102AA<br>pin 4T<br>pin 4TC | DB31216B<br>pin A1<br>pin C1          |
| 31-80231                 | CPM/GG<br>(M010-L<br>M011-R)<br>TO DU<br>INTERFACE<br>CHECK | CENTER<br>UPPER N31301      | CPM/GG<br>(M010) IN LEFT<br>AIMS  | DN31301AA<br>pin 1T<br>pin 1TC | DB31117C<br>pin A1<br>pin C1          |
| 31-80232                 | CPM/GG<br>(M010-R<br>M011-L)<br>TO DU<br>INTERFACE<br>CHECK | CENTER<br>UPPER N31301      | CPM/GG<br>(M010) IN<br>RIGHT AIMS | DN31301AA<br>pin 3T<br>pin 3TC | DB31215C<br>pin A1<br>pin C1          |
| 31-80233                 | CPM/GG<br>(M011-L<br>M010-R)<br>TO DU<br>INTERFACE<br>CHECK | CENTER<br>UPPER N31301      | CPM/GG<br>(M011) IN LEFT<br>AIMS  | DN31301AA<br>pin 2T<br>pin 2TC | DB31118C<br>pin A1<br>pin C1          |

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| <b>MAINT<br/>MESSAGE</b> | <b>MAT TEST<br/>(LOOP TEST<br/>FORMAT)</b>                  | <b>DISPLAY<br/>UNIT(DU)</b> | <b>AIMS<br/>MODULE</b>            | <b>DU COAX<br/>CONNECTOR</b>   | <b>COUPLER<br/>COAX<br/>CONNECTOR</b> |
|--------------------------|-------------------------------------------------------------|-----------------------------|-----------------------------------|--------------------------------|---------------------------------------|
| 31-80234                 | CPM/GG<br>(M011-R<br>M010-L)<br>TO DU<br>INTERFACE<br>CHECK | CENTER<br>UPPER N31301      | CPM/GG<br>(M011) IN<br>RIGHT AIMS | DN31301AA<br>pin 4T<br>pin 4TC | DB31216C<br>pin A1<br>pin C1          |
| 31-80241                 | CPM/GG<br>(M011-R<br>M010-L)<br>TO DU<br>INTERFACE<br>CHECK | RIGHT<br>INBOARD<br>N31202  | CPM/GG<br>(M010) IN LEFT<br>AIMS  | DN31202AA<br>pin 1T<br>pin 1TC | DB31117E<br>pin A1<br>pin C1          |
| 31-80242                 | CPM/GG<br>(M011-L<br>M010-R)<br>TO DU<br>INTERFACE<br>CHECK | RIGHT<br>INBOARD<br>N31202  | CPM/GG<br>(M010) IN<br>RIGHT AIMS | DN31202AA<br>pin 3T<br>pin 3TC | DB31215E<br>pin A1<br>pin C1          |
| 31-80243                 | CPM/GG<br>(M010-R<br>M011-L)<br>TO DU<br>INTERFACE<br>CHECK | RIGHT<br>INBOARD<br>N31202  | CPM/GG<br>(M011) IN LEFT<br>AIMS  | DN31202AA<br>pin 2T<br>pin 2TC | DB31118E<br>pin A1<br>pin C1          |
| 31-80244                 | CPM/GG<br>(M010-L<br>M011-R)<br>TO DU<br>INTERFACE<br>CHECK | RIGHT<br>INBOARD<br>N31202  | CPM/GG<br>(M011) IN<br>RIGHT AIMS | DN31202AA<br>pin 4T<br>pin 4TC | DB31216E<br>pin A1<br>pin C1          |
| 31-80251                 | CPM/GG<br>(M011-R<br>M010-L)<br>TO DU<br>INTERFACE<br>CHECK | RIGHT<br>OUTBOARD<br>N31201 | CPM/GG<br>(M010) IN LEFT<br>AIMS  | DN31201AA<br>pin 1T<br>pin 1TC | DB31117D<br>pin A1<br>pin C1          |
| 31-80252                 | CPM/GG<br>(M011-L<br>M010-R)<br>TO DU<br>INTERFACE<br>CHECK | RIGHT<br>OUTBOARD<br>N31201 | CPM/GG<br>(M010) IN<br>RIGHT AIMS | DN31201AA<br>pin 3T<br>pin 3TC | DB31215D<br>pin A1<br>pin C1          |

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| <b>MAINT<br/>MESSAGE</b> | <b>MAT TEST<br/>(LOOP TEST<br/>FORMAT)</b>                  | <b>DISPLAY<br/>UNIT(DU)</b> | <b>AIMS<br/>MODULE</b>            | <b>DU COAX<br/>CONNECTOR</b>   | <b>COUPLER<br/>COAX<br/>CONNECTOR</b> |
|--------------------------|-------------------------------------------------------------|-----------------------------|-----------------------------------|--------------------------------|---------------------------------------|
| 31-80253                 | CPM/GG<br>(M010-R<br>M011-L)<br>TO DU<br>INTERFACE<br>CHECK | RIGHT<br>OUTBOARD<br>N31201 | CPM/GG<br>(M011) IN LEFT<br>AIMS  | DN31201AA<br>pin 2T<br>pin 2TC | DB31118D<br>pin A1<br>pin C1          |
| 31-80254                 | CPM/GG<br>(M010-L<br>M011-R)<br>TO DU<br>INTERFACE<br>CHECK | RIGHT<br>OUTBOARD<br>N31201 | CPM/GG<br>(M011) IN<br>RIGHT AIMS | DN31201AA<br>pin 4T<br>pin 4TC | DB31216D<br>pin A1<br>pin C1          |
| 31-80261                 | CPM/GG<br>(M011-R<br>M010-L)<br>TO DU<br>INTERFACE<br>CHECK | LOWER<br>CENTER<br>N31302   | CPM/GG<br>(M010) IN LEFT<br>AIMS  | DN31302AA<br>pin 1T<br>pin 1TC | DB31117F<br>pin A1<br>pin C1          |
| 31-80262                 | CPM/GG<br>(M011-L<br>M010-R)<br>TO DU<br>INTERFACE<br>CHECK | LOWER<br>CENTER<br>N31302   | CPM/GG<br>(M010) IN<br>RIGHT AIMS | DN31302AA<br>pin 3T<br>pin 3TC | DB31215F<br>pin A1<br>pin C1          |
| 31-80263                 | CPM/GG<br>(M010-R<br>M011-L)<br>TO DU<br>INTERFACE<br>CHECK | LOWER<br>CENTER<br>N31302   | CPM/GG<br>(M011) IN LEFT<br>AIMS  | DN31302AA<br>pin 2T<br>pin 2TC | DB31118F<br>pin A1<br>pin C1          |
| 31-80264                 | CPM/GG<br>(M010-L<br>M011-R)<br>TO DU<br>INTERFACE<br>CHECK | LOWER<br>CENTER<br>N31302   | CPM/GG<br>(M011) IN<br>RIGHT AIMS | DN31302AA<br>pin 4T<br>pin 4TC | DB31216F<br>pin A1<br>pin C1          |

- (2) Do the applicable ground test on the MAT: 31 AIMS - Left(Right) AIMS, System Test, IOM(M00X) in Left(Right) AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the applicable DU.

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These are the tasks:

Display Unit Removal, AMM TASK 31-61-01-000-801,

Display Unit Installation, AMM TASK 31-61-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable CPM/GG(M010 or M011) in the applicable AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do these steps to check the coaxial connections.



### WARNING

REMOVE ELECTRICAL POWER FROM THE CAPTAIN'S (FIRST OFFICER'S) SEAT. YOU CAN ACCIDENTALLY CAUSE A SEAT TO MOVE AND CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT.

- (a) Open these circuit breakers and install safety tags:

#### Left Power Management Panel, P110

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| D          | 18         | C25323        | CAPT SEAT   |

#### Right Power Management Panel, P210

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 13         | C25324        | F/O SEAT    |

- (b) Open the forward access panel that is outboard of the rudder pedals.
- (c) Make sure the coaxial cable connection is OK (WDM 31-61-14) (WDM 31-61-15).
- (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 1) Close the forward access panel that is outboard of the rudder pedals.
  - 2) Remove the safety tags and close these circuit breakers:

#### Left Power Management Panel, P110

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| D          | 18         | C25323        | CAPT SEAT   |

#### Right Power Management Panel, P210

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 13         | C25324        | F/O SEAT    |

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- (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this check of the applicable coaxial cable:
  - (a) Remove the applicable DU. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - (b) Disconnect the applicable coaxial connector from the applicable coaxial coupler (WDM 31-61-14) (WDM 31-61-15).
  - (c) Do an electrical check of the applicable coaxial cable (AMM TASK 20-10-32-210-801).
  - (d) If you find a problem with the coaxial cable, then do these steps:
    - 1) Replace the coaxial cable (WDM 31-61-14) (WDM 31-61-15).
    - 2) Re-install the applicable DU. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (f) If the MAT shows ACTIVE for the maintenance message, then continue.
- (7) Replace the applicable coaxial coupler.

**NOTE:** A loose coaxial cable connection at a coaxial coupler and intermittent GG can cause blinking of the display units.

These are the tasks:

Coaxial Coupler Removal, AMM TASK 31-61-11-000-801,

Coaxial Coupler Installation, AMM TASK 31-61-11-400-801.

- (a) Close the forward access panel that is outboard of the rudder pedals.
- (b) Remove the safety tags and close these circuit breakers:

### Left Power Management Panel, P110

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| D          | 18         | C25323        | CAPT SEAT   |

### Right Power Management Panel, P210

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 13         | C25324        | F/O SEAT    |

- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If the MAT shows ACTIVE for the maintenance message, then continue.
- (8) Replace the applicable CPM/GG.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 892. AIMS-L No Output On Any Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-68801.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 1 of these circuit breakers at the P11 panel and structure ground (WDM 31-41-11):
    - 1) C31609, 11B12, AIMS L-1
    - 2) C31611, 11B13, AIMS L-2
    - 3) C31617, 11B14, AIMS L-3
    - 4) C31619, 11B15, AIMS L-4
  - (c) Open the P310 standby power management Panel.
  - (d) Do a check for 28V DC between terminal 1 of this circuit breaker at the P310 panel and structure ground (WDM 31-41-11):
    - 1) C31651, 310J6, AIMS STANDBY-L
  - (e) If there is not 28V DC at terminal 1 of C31609, C31611, C31617, C31619, and C31651, then do these steps:
    - 1) Close the P11, and P310 Panels.
    - 2) Look in chapter 24 of existing faults on the MAT for any messages related to the 28 VDC Captain's Flight Instrument bus, the 28 VDC First Officer's Flight Instrument bus, or the 28 VDC Hot Battery bus.
    - 3) If you find any messages related to the 28 VDC Captain's Flight Instrument bus, the 28 VDC First Officer's Flight Instrument bus, or the 28 VDC Hot Battery bus, then do the fault isolation steps for those messages.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (f) If there is 28V DC at terminal 1 of C31609, C31611, C31617, C31619, and C31651, then continue.
- (2) Do this check for 28V DC at the circuit breaker:
  - (a) Do a check for 28V DC between terminal 2 of these circuit breakers at the P11 panel and structure ground (WDM 31-41-11):
    - 1) C31609, 11B12, AIMS L-1
    - 2) C31611, 11B13, AIMS L-2
    - 3) C31617, 11B14, AIMS L-3
    - 4) C31619, 11B15, AIMS L-4

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- (b) Do a check for 28V DC between terminal 2 of this circuit breaker at the P310 panel and structure ground (WDM 31-41-11).
    - 1) C31651, 310J6, AIMS STANDBY-L
  - (c) If there is not 28V DC at terminal 2 of C31609, C31611, C31617, C31619, or C31651, then do these steps:
    - 1) Replace the applicable circuit breaker (WDM 31-41-11):
    - 2) Close the P11, and P310 Panels.
    - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If there is 28V DC at terminal 2 of C31609, C31611, C31617, C31619, and C31651, then continue.
- (3) Do these checks of the wiring:
- (a) Remove the IOM(M004). To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Check the wiring between circuit breaker C31609, terminal 2 and connector P4-C, pin A17 in the L-AIMS cabinet, M31101 (WDM 31-41-11).
  - (c) Check the wiring between circuit breaker C31611, terminal 2 and connector P4-C, pin H17 in the L-AIMS cabinet, M31101 (WDM 31-41-11).
  - (d) Check the wiring between circuit breaker C31617, terminal 2 and connector P4-C, pin H13 in the L-AIMS cabinet, M31101 (WDM 31-41-11).
  - (e) Check the wiring between circuit breaker C31619, terminal 2 and connector P4-C, pin A13 in the L-AIMS cabinet, M31101 (WDM 31-41-11).
  - (f) Check the wiring between circuit breaker C31651, terminal 2 and connector P4-C, pin A15 in the L-AIMS cabinet, M31101 (WDM 31-41-11).
  - (g) Repair any wiring problems you find.
  - (h) Re-install the IOM(M004). To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (i) Close the P11, and P310 Panels.
  - (j) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 893. AIMS-R No Output On Any Bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-68802.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P11 Overhead Circuit Breaker Panel.

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- (b) Do a check for 28V DC between terminal 1 of these circuit breakers at the P11 panel and structure ground (WDM 31-41-11):
    - 1) C31610, 11F12, AIMS R-1
    - 2) C31612, 11FB13, AIMS R-2
    - 3) C31618, 11F14, AIMS R-3
    - 4) C31620, 11F15, AIMS R-4
  - (c) Open the P310 standby power management Panel.
  - (d) Do a check for 28V DC between terminal 1 of this circuit breaker at the P310 panel and structure ground (WDM 31-41-11):
    - 1) C31650, 310J7, AIMS STANDBY-R
  - (e) If there is not 28V DC at terminal 1 of C31610, C31612, C31618, C31620, and C31650, then do these steps:
    - 1) Close the P11, and P310 Panels.
    - 2) Look in chapter 24 of existing faults on the MAT for any messages related to the 28 VDC Left bus, 28 VDC Right bus, or the 28 VDC Hot Battery bus.
    - 3) If you find any messages related to the 28 VDC Left bus, 28 VDC Right bus, or the 28 VDC Hot Battery bus, then do the fault isolation steps for those messages.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (f) If there is 28V DC at terminal 1 of C31610, C31612, C31618, C31620, and C31650, then continue.
- (2) Do this check for 28V DC at the circuit breaker:
- (a) Do a check for 28V DC between terminal 2 of these circuit breakers at the P11 panel and structure ground (WDM 31-41-11):
    - 1) C31610, 11F12, AIMS R-1
    - 2) C31612, 11FB13, AIMS R-2
    - 3) C31618, 11F14, AIMS R-3
    - 4) C31620, 11F15, AIMS R-4
  - (b) Do a check for 28V DC between terminal 2 of this circuit breaker at the P310 panel and structure ground (WDM 31-41-11).
    - 1) C31650, 310J7, AIMS STANDBY-R
  - (c) If there is not 28V DC at terminal 2 of C31610, C31612, C31618, C31620, or C31650, then do these steps:
    - 1) Replace the applicable circuit breaker (WDM 31-41-11).
    - 2) Close the P11, and P310 Panels.
    - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If there is 28V DC at terminal 2 of C31610, C31612, C31618, C31620, and C31650, then continue.
- (3) Do these checks of the wiring:
- (a) Remove the IOM(M004). To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.

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- (b) Check the wiring between circuit breaker C31610, terminal 2 and Connector P4-C, pin A17 in the R-AIMS cabinet, M31201 (WDM 31-41-11).
- (c) Check the wiring between circuit breaker C31612, terminal 2 and Connector P4-C, pin H17 in the R-AIMS cabinet, M31201 (WDM 31-41-11).
- (d) Check the wiring between circuit breaker C31618, terminal 2 and Connector P4-C, pin H13 in the R-AIMS cabinet, M31201 (WDM 31-41-11).
- (e) Check the wiring between circuit breaker C31620, terminal 2 and Connector P4-C, pin A13 in the R-AIMS cabinet, M31201 (WDM 31-41-11).
- (f) Check the wiring between circuit breaker C31650, terminal 2 and Connector P4-C, pin A15 in the R-AIMS cabinet, M31201 (WDM 31-41-11).
- (g) Repair any wiring problems you find.
- (h) Re-install the IOM(M004). To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (i) Close the P11, and P310 Panels.
- (j) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**894. Display Unit Database in Left AIMS CPM/GG(M010) and Display Unit are Not Compatible - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-82211, 31-82221, 31-82231, 31-82241, 31-82251, 31-82261.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Use a maintenance access terminal (MAT) to do a software configuration check of the CPM/GG(M010):
  - (a) Make these selections on the MAT:
    - 1) ONBOARD MAINTENANCE
    - 2) LINE MAINTENANCE
    - 3) SYSTEM CONFIGURATION
    - 4) 31 AIMS - Left AIMS, CPM/GG(M010) in Left AIMS
    - 5) CONTINUE
  - (b) Find CPM/GG(M010) on the display and make sure that the software part number for the Display Unit Database (DU DB) is correct.
  - (c) Select GO BACK to remove the configuration display.
- (2) If the software part number is incorrect, install the correct DU DB. To install it, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) If the software part number is correct, replace the applicable display unit. To replace it, These are the tasks:  
Display Unit Removal, AMM TASK 31-61-01-000-801,  
Display Unit Installation, AMM TASK 31-61-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 895. Display Unit Database in Right AIMS CPM/GG(M010) and Display Unit are Not Compatible - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-82212, 31-82222, 31-82232, 31-82242, 31-82252, 31-82262.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Use a maintenance access terminal (MAT) to do a software configuration check of the CPM/GG(M010):
  - (a) Make these selections on the MAT:
    - 1) ONBOARD MAINTENANCE
    - 2) LINE MAINTENANCE
    - 3) SYSTEM CONFIGURATION
    - 4) 31 AIMS - Right AIMS, CPM/GG(M010) in Right AIMS
    - 5) CONTINUE
  - (b) Find CPM/GG(M010) on the display and make sure that the software part number for the Display Unit Database (DU DB) is correct.
  - (c) Select GO BACK to remove the configuration display.
- (2) If the software part number is incorrect, install the correct DU DB. To install it, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) If the software part number is correct, replace the applicable display unit. To replace it, These are the tasks:  
Display Unit Removal, AMM TASK 31-61-01-000-801,  
Display Unit Installation, AMM TASK 31-61-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**896. Display Unit Database in Left AIMS CPM/GG(M011) and Display Unit are Not Compatible - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-82213, 31-82223, 31-82233, 31-82243, 31-82253, 31-82263.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Use a maintenance access terminal (MAT) to do a software configuration check of the CPM/GG(M011):
- (a) Make these selections on the MAT:
- 1) ONBOARD MAINTENANCE
  - 2) LINE MAINTENANCE
  - 3) SYSTEM CONFIGURATION
  - 4) 31 AIMS - left AIMS, CPM/GG(M011) in Left AIMS
  - 5) CONTINUE
- (b) Find CPM/GG(M011) on the display and make sure that the software part number for the Display Unit Database (DU DB) is correct.
- (c) Select GO BACK to remove the configuration display.
- (2) If the software part number is incorrect, install the correct DU DB. To install it, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) If the software part number is correct, replace the applicable display unit. To replace it, These are the tasks:
- Display Unit Removal, AMM TASK 31-61-01-000-801,
- Display Unit Installation, AMM TASK 31-61-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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**897. Display Unit Database in Right AIMS CPM/GG(M011) and Display Unit are Not Compatible - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-82214, 31-82224, 31-82234, 31-82244, 31-82254, 31-82264.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Use a maintenance access terminal (MAT) to do a software configuration check of the CPM/GG(M011):
  - (a) Make these selections on the MAT:
    - 1) ONBOARD MAINTENANCE
    - 2) LINE MAINTENANCE
    - 3) SYSTEM CONFIGURATION
    - 4) 31 AIMS - Right AIMS, CPM/GG(M011) in Right AIMS
    - 5) CONTINUE
  - (b) Find CPM/GG(M011) on the display and make sure that the software part number for the Display Unit Database (DU DB) is correct.
  - (c) Select GO BACK to remove the configuration display.
- (2) If the software part number is incorrect, install the correct DU DB. To install it, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) If the software part number is correct, replace the applicable display unit. To replace it, these are the tasks:

Display Unit Removal, AMM TASK 31-61-01-000-801,  
Display Unit Installation, AMM TASK 31-61-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**898. EICAS Message AIMS - Fault Isolation**

**A. Fault Isolation**

**NOTE:** This message can show when an ARINC 429 LRU fails that is attached to a bus which may be switched between IOMs. The ARINC 429 LRU may or may not show a fault message.

- (1) If the fault continues, after you have completed the fault isolation procedures for the applicable maintenance messages, remove one of the ARINC 429 LRUs that is attached to the bus.
  - (a) If the message does not show, then re-installed a new ARINC 429 LRU.

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- (b) If the message shows, do the above step again with a different ARINC 429 LRU.

———— **END OF TASK** ————

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### 801. Left AIMS Software Configuration Problem - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-50011, 31-50311.

#### B. Fault Isolation Procedure

- (1) Do a check of the system configuration for this system on the MAT: 31 AIMS - Left AIMS.
  - (a) Find these line replaceable modules (LRM) on the display and make sure that the software part numbers are correct:
    - 1) CPM/Comm(M001) in Left AIMS
    - 2) CPM/STD (M002) in Left AIMS
    - 3) IOM(M003) in Left AIMS
    - 4) IOM(M004) in Left AIMS
    - 5) IOM(M008) in Left AIMS
    - 6) IOM(M009) in Left AIMS
    - 7) CPM/GG(M010) in Left AIMS
    - 8) CPM/GG(M011) in Left AIMS
- (2) If any of the part numbers are incorrect, install software in the applicable LRM in the left AIMS cabinet:
  - (a) To install software in the CPM/Comm(M001), do this task: Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804.
  - (b) To install software in the CPM/STD (M002), do this task: Core Processor Module/Standard Software Installation, AMM TASK 31-41-05-420-801.
  - (c) To install software in an IOM, do this task: Input/Output Module (IOM) Software Installation, AMM TASK 31-41-11-420-806.
  - (d) To install software in an CPM/GG, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
  - (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Use a MAT to do a ground test of the module that got software:
  - (a) If the module is a CPM/Comm, make these selections on the MAT to make sure the right CMCF is in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL.  
NOTE: You must reset the CPM/Comm from the off-side CMCF.
    - 1) If the display shows that the left CMCF is in control, select SWITCH TO RIGHT.
    - 2) If the display shows that the right CMCF is in control, then select GO BACK.
  - (b) Make these selections on the MAT: 31 AIMS - Left AIMS, System Test.
  - (c) Select the ground test for the module that got software:
    - 1) CPM/COMM (M001) in Left AIMS Module Reset  
NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.
    - 2) CPM/STD (M002) in Left AIMS Module Reset
    - 3) IOM(M003) in Left AIMS Module Reset
    - 4) IOM(M004) in Left AIMS Module Reset

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- 5) IOM(M008) in Left AIMS Module Reset
  - 6) IOM(M009) in Left AIMS Module Reset
  - 7) CPM/GG(M010) in Left AIMS Module Reset
  - 8) CPM/GG(M011) in Left AIMS Module Reset
- (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

## 802. Right AIMS Software Configuration Problem - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-50012, 31-50312.

### B. Fault Isolation Procedure

- (1) Do a check of the system configuration for this system on the MAT: 31 AIMS - Right AIMS.
- (a) Find these line replaceable modules (LRM) on the display and make sure that the software part numbers are correct:
    - 1) CPM/Comm(M001) in Right AIMS
    - 2) CPM/STD (M002) in Right AIMS
    - 3) IOM(M003) in Right AIMS
    - 4) IOM(M004) in Right AIMS
    - 5) IOM(M008) in Right AIMS
    - 6) IOM(M009) in Right AIMS
    - 7) CPM/GG(M010) in Right AIMS
    - 8) CPM/GG(M011) in Right AIMS
  - (2) If any of the part numbers are incorrect, install software in the applicable LRM in the right AIMS cabinet:
    - (a) To install software in the CPM/Comm(M001), do this task: Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804.
    - (b) To install software in the CPM/STD (M002), do this task: Core Processor Module/Standard Software Installation, AMM TASK 31-41-05-420-801.
    - (c) To install software in an IOM, do this task: Input/Output Module (IOM) Software Installation, AMM TASK 31-41-11-420-806.
    - (d) To install software in an CPM/GG, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
  - (3) Use a MAT to do a ground test of the module that got software:
    - (a) If the module is a CPM/Comm, make these selections on the MAT to make sure the left CMCF is in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL.  
NOTE: You must reset the CPM/Comm from the off-side CMCF.
      - 1) If the display shows that the right CMCF is in control, select SWITCH TO LEFT.
      - 2) If the display shows that the left CMCF is in control, then select GO BACK.
    - (b) Make these selections on the MAT: 31 AIMS - Right AIMS, System Test.
    - (c) Select the ground test for the module that got software:

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- 1) CPM/Comm(M001) in Right AIMS Module Reset
  - 2) CPM/STD (M002) in Right AIMS Module Reset
  - 3) IOM(M003) in Right AIMS Module Reset
  - 4) IOM(M004) in Right AIMS Module Reset
  - 5) IOM(M008) in Right AIMS Module Reset
  - 6) IOM(M009) in Right AIMS Module Reset
  - 7) CPM/GG(M010) in Right AIMS Module Reset
  - 8) CPM/GG(M011) in Right AIMS Module Reset
- (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 803. Left and Right AIMS have Incorrect Software Configuration - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-50013, 31-50014.

#### B. Fault Isolation Procedure

- (1) Do a check of the system configuration for this system on the MAT: 31 AIMS - Left AIMS.
- (a) Find these line replaceable modules (LRM) on the display and make sure that the software part numbers are correct:
- 1) CPM/Comm(M001) in Left AIMS
  - 2) CPM/STD (M002) in Left AIMS
  - 3) IOM(M003) in Left AIMS
  - 4) IOM(M004) in Left AIMS
  - 5) IOM(M008) in Left AIMS
  - 6) IOM(M009) in Left AIMS
  - 7) CPM/GG(M010) in Left AIMS
  - 8) CPM/GG(M011) in Left AIMS
- (2) If any of the part numbers are incorrect, install software in the applicable LRM in the left AIMS cabinet:
- (a) To install software in the CPM/Comm(M001), do this task: Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804.
- (b) To install software in the CPM/STD (M002), do this task: Core Processor Module/Standard Software Installation, AMM TASK 31-41-05-420-801.
- (c) To install software in an IOM, do this task: Input/Output Module (IOM) Software Installation, AMM TASK 31-41-11-420-806.
- (d) To install software in an CPM/GG, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
- (3) Use a MAT to do a ground test of the module that got software:
- (a) If the module is a CPM/Comm, make these selections on the MAT to make sure the right CMCF is in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL.

NOTE: You must reset the CPM/Comm from the off-side CMCF.

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- 1) If the display shows that the left CMCF is in control, select SWITCH TO RIGHT.
- 2) If the display shows that the right CMCF is in control, then select GO BACK.
- (b) Make these selections on the MAT: 31 AIMS - Left AIMS, System Test.
- (c) Select the ground test for the module that got software:
  - 1) CPM/Comm(M001) in Left AIMS Module Reset  
NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.
  - 2) CPM/STD (M002) in Left AIMS Module Reset
  - 3) IOM(M003) in Left AIMS Module Reset
  - 4) IOM(M004) in Left AIMS Module Reset
  - 5) IOM(M008) in Left AIMS Module Reset
  - 6) IOM(M009) in Left AIMS Module Reset
  - 7) CPM/GG(M010) in Left AIMS Module Reset
  - 8) CPM/GG(M011) in Left AIMS Module Reset
- (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (4) Do a check of the system configuration for this system on the MAT: 31 AIMS - Right AIMS.
  - (a) Find these line replaceable modules (LRM) on the display and make sure that the software part numbers are correct:
    - 1) CPM/Comm(M001) in Right AIMS
    - 2) CPM/STD (M002) in Right AIMS
    - 3) IOM(M003) in Right AIMS
    - 4) IOM(M004) in Right AIMS
    - 5) IOM(M008) in Right AIMS
    - 6) IOM(M009) in Right AIMS
    - 7) CPM/GG(M010) in Right AIMS
    - 8) CPM/GG(M011) in Right AIMS
- (5) If any of the part numbers are incorrect, install software in the applicable LRM in the right AIMS cabinet:
  - (a) To install software in the CPM/Comm(M001), do this task: Core Processor Module/COMM Software Installation, AMM TASK 31-41-04-420-804.
  - (b) To install software in the CPM/STD (M002), do this task: Core Processor Module/Standard Software Installation, AMM TASK 31-41-05-420-801.
  - (c) To install software in an IOM, do this task: Input/Output Module (IOM) Software Installation, AMM TASK 31-41-11-420-806.
  - (d) To install software in an CPM/GG, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
- (6) Use a MAT to do a ground test of the module that got software:
  - (a) If the module is a CPM/Comm, make these selections on the MAT to make sure the left CMCF is in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL.  
NOTE: You must reset the CPM/Comm from the off-side CMCF.

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- 1) If the display shows that the right CMCF is in control, select SWITCH TO LEFT.
- 2) If the display shows that the left CMCF is in control, then select GO BACK.
- (b) Make these selections on the MAT: 31 AIMS - Right AIMS, System Test.
- (c) Select the ground test for the module that got software:
  - 1) CPM/Comm(M001) in Right AIMS Module Reset
  - 2) CPM/STD (M002) in Right AIMS Module Reset
  - 3) IOM(M003) in Right AIMS Module Reset
  - 4) IOM(M004) in Right AIMS Module Reset
  - 5) IOM(M008) in Right AIMS Module Reset
  - 6) IOM(M009) in Right AIMS Module Reset
  - 7) CPM/GG(M010) in Right AIMS Module Reset
  - 8) CPM/GG(M011) in Right AIMS Module Reset
- (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 804. Left AIMS (M009) Program Pin Problem - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50021.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
  - (a) Make these selections on the MAT: 31 AIMS - Left AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Left AIMS Module Reset
    - 2) CPM/GG(M011) in Left AIMS Module Reset

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- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Do this check of the wiring between the connectors for the AIMS IOM modules M008 and M009:
  - (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J410-B and J420-B (WDM 31-41-15):

| <b>J410-B</b>    | <b>J420-B</b> |
|------------------|---------------|
| pin C8 . . . . . | pin C8        |
| pin E3 . . . . . | pin E3        |

- (d) Do a wiring check between these pins of the IOM connectors J410-A and J420-A(WDM 31-41-15):

| <b>J410-A</b>    | <b>J420-A</b> |
|------------------|---------------|
| pin D2 . . . . . | pin D2        |

- (e) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (4) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
  - (a) Make these selections on the MAT: 31 AIMS - Left AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Left AIMS Module Reset
    - 2) CPM/GG(M011) in Left AIMS Module Reset
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 805. Right AIMS (M009) Program Pin Problem - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-50022.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.

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- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
  - (a) Make these selections on the MAT: 31 AIMS - Right AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Right AIMS Module Reset
    - 2) CPM/GG(M011) in Right AIMS Module Reset
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Do this check of the wiring between the connectors for the AIMS IOM M008 and M009:
  - (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J410-B and J420-B (WDM 31-41-15):

| <b>J410-B</b> |       | <b>J420-B</b> |
|---------------|-------|---------------|
| pin D8        | ..... | pin D8        |
| pin E3        | ..... | pin E3        |

- (d) Do a wiring check between these pins of the IOM connectors J410-A and J420-A(WDM 31-41-15):

| <b>J410-A</b> |       | <b>J420-A</b> |
|---------------|-------|---------------|
| pin D2        | ..... | pin D2        |

- (e) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (4) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
  - (a) Make these selections on the MAT: 31 AIMS - Right AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Right AIMS Module Reset
    - 2) CPM/GG(M011) in Right AIMS Module Reset
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 806. Left and Right AIMS Program Pin Compatability Problem - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-50023, 31-50024.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the PMAT to unlatch the fault: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.

NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.

- (a) If the maintenance message shows on the ground test display, then continue.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.
- (3) If the MAT still shows LATCHED for the maintenance message, then do this ground test on the MAT to unlatch the fault: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### ARO 003 POST SB 777-31-0227 AND PRE SB 777-31-0263 AND PRE SB 777-31-0264 AND PRE SB 777-31-0218

- (4) Enter the airplane tail number on the System Information page to establish Controller-Pilot Data Link Communications (CPDLC).
  - (a) Make these selections on the MFD to access the System Information page.
    - 1) Press COMM on the DSP to display the FDCF MAIN MENU on the MFD.
    - 2) Press MANAGER on the FDCF MAIN MENU to display the FDCF MANAGER MENU.
    - 3) Press SYSTEM INFORMATION on the FDCF MANAGER MENU to display the SYSTEM INFORMATION Sub-menu.

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ARO 003 POST SB 777-31-0227 AND PRE SB 777-31-0263 AND PRE SB 777-31-0264 AND PRE SB 777-31-0218 (Continued)

- (b) Enter the airplane tail number.

**NOTE:** The tail number is lost and needs to be re-entered to re-establish CPDLC if the AIMS L or AIMS R circuit breakers are cycled, the AIMS CPM/COMM module is re-racked, new CMCF AMI software is loaded, or new COMM software is loaded. The tail number must be entered before engine start, since the field is inhibited after engine start.

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#### C. Fault Isolation Procedure

- (1) Use a Maintenance Access Terminal (MAT) to do a check of the program pin configuration of each AIMS cabinet:
    - (a) Make these selections on the MAT to see the program pin configuration of the left AIMS cabinet:
      - 1) ONBOARD MAINTENANCE
      - 2) LINE MAINTENANCE
      - 3) SYSTEM CONFIGURATION
      - 4) 31 AIMS - Left AIMS
      - 5) CONTINUE
    - (b) Look at the IOM Program Pins for each IOM in left AIMS and find those that are different from these correct values:
      - 1) IOM(M003) & (M004) in Left AIMS
        - a) BFDF-FF40-2000
      - 2) IOM(M008) & (M009) in Left AIMS
        - a) 3B7D-FFC4-8200
    - (c) Make these selections on the MAT to see the program pin configuration of the right AIMS cabinet:
      - 1) SELECT NEW ATA
      - 2) 31 AIMS - Right AIMS
      - 3) CONTINUE
    - (d) Look at the IOM Program Pins for each IOM in right AIMS and find those that are different from these correct values:
      - 1) IOM(M003) & (M004) in Right AIMS
        - a) DFDF-FF20-2000
      - 2) IOM(M008) & (M009) in Right AIMS
        - a) 5B7D-FFA4-8200
  - (2) Find the applicable wiring for the incorrect program pins and do a wiring check:
    - (a) Use the table below to find the bit that is incorrect:
      - 1) Write the first four hex characters of the incorrect program pin value from the System Configuration display under G, H, J, and K on the "HEX IS NOW" line.
- NOTE:** Given the program pins in the format GHJK-LMNP-WXYZ, positions L, M, N, P, W, X, Y, and Z can be ignored for this fault isolation procedure.

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| POSITION         | G       | H       | J         | K           |
|------------------|---------|---------|-----------|-------------|
| HEX IS NOW       | —       | —       | —         | —           |
| HEX SHOULD BE    | —       | —       | —         | —           |
| BINARY IS NOW    | -----   | -----   | -----     | -----       |
| BINARY SHOULD BE | -----   | -----   | -----     | -----       |
| BIT              | 0 1 2 3 | 4 5 6 7 | 8 9 10 11 | 12 13 14 15 |

- 2) Write the first four hex characters of the correct program pin value from the FIM on the "HEX SHOULD BE" line.
- 3) Compare the "HEX IS NOW" line with the "HEX SHOULD BE" line and find the incorrect hex character.
- 4) Under the incorrect hex character, write the binary equivalent of the incorrect hex character on the "BINARY IS NOW" line. (Refer to the table below for the binary equivalent of each hex character.)
- 5) Write the binary equivalent of the correct hex character on the "BINARY SHOULD BE" line.
- 6) Compare the binary values and find the number of the incorrect bit on the "BIT" line.

| HEX | BINARY |
|-----|--------|
| 0   | 0000   |
| 1   | 0001   |
| 2   | 0010   |
| 3   | 0011   |
| 4   | 0100   |
| 5   | 0101   |
| 6   | 0110   |
| 7   | 0111   |
| 8   | 1000   |
| 9   | 1001   |
| A   | 1010   |
| B   | 1011   |
| C   | 1100   |
| D   | 1101   |
| E   | 1110   |
| F   | 1111   |

- (b) If IOM(M003) or IOM(M004) in left AIMS has incorrect program pins, find the incorrect bit in the table below.

| BIT | DEFINITION    | CONNECTOR | PIN | IOM(M003) | IOM(M004) |
|-----|---------------|-----------|-----|-----------|-----------|
| 1   | CABINET LEFT  | D6623     | 35  | P3B-G12   | P4B-G12   |
| 2   | CABINET RIGHT | D6623     | 40  | P3B-F12   | P4B-F12   |
| 10  | AIRFRAME 3    | D6626     | 24  | P3B-G7    | P4B-G7    |

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| BIT | DEFINITION | CONNECTOR | PIN | IOM(M003) | IOM(M004) |
|-----|------------|-----------|-----|-----------|-----------|
| 11  | AIRFRAME 4 | D6626     | 26  | P3B-G8    | P4B-G8    |

(c) If IOM(M008) or IOM(M009) in left AIMS has incorrect program pins, find the incorrect bit in the table below.

| BIT | DEFINITION    | CONNECTOR | PIN | IOM(M008) | IOM(M009) |
|-----|---------------|-----------|-----|-----------|-----------|
| 0   | PARITY        | D6611     | 41  | P8B-F3    | P9B-F3    |
| 1   | CABINET LEFT  | D6611     | 35  | P8B-G12   | P9B-G12   |
| 2   | CABINET RIGHT | D6611     | 40  | P8B-F12   | P9B-F12   |
| 3   | FLIGHT TEST   | D6610     | 44  | P8A-H17   | P9A-H17   |
| 4   | SIM/AIRPLANE  | D6610     | 45  | P8B-E2    | P9B-E2    |
| 5   | WING FOLD 1   | D6610     | 46  | P8B-E3    | P9B-E3    |
| 6   | WING FOLD 2   | D6610     | 28  | P8A-E17   | P9A-E17   |
| 7   | WING FOLD 3   | D6610     | 37  | P8A-G15   | P9A-G15   |
| 8   | AIRFRAME 1    | D6610     | 35  | P8A-G14   | P9A-G14   |
| 9   | AIRFRAME 2    | D6610     | 40  | P8A-G17   | P9A-G17   |
| 12  | ENGINE 1      | D6610     | 41  | P8A-H14   | P9A-H14   |
| 13  | ENGINE 2      | D6610     | 42  | P8A-H15   | P9A-H15   |
| 14  | ENGINE 3      | D6610     | 43  | P8A-H16   | P9A-H16   |

(d) If IOM(M003) or IOM(M004) in right AIMS has incorrect program pins, find the incorrect bit in the table below .

| BIT | DEFINITION    | CONNECTOR | PIN | IOM(M003) | IOM(M004) |
|-----|---------------|-----------|-----|-----------|-----------|
| 1   | CABINET LEFT  | D6723     | 35  | P3B-G12   | P4B-G12   |
| 2   | CABINET RIGHT | D6723     | 40  | P3B-F12   | P4B-F12   |
| 10  | AIRFRAME 3    | D6722     | 42  | P3B-H15   | P4B-H15   |
| 11  | AIRFRAME 4    | D6722     | 43  | P3B-H16   | P4B-H16   |

(e) If IOM(M008) or IOM(M009) in right AIMS has incorrect program pins, find the incorrect bit in the table below.

| BIT | DEFINITION    | CONNECTOR | PIN | IOM(M008) | IOM(M009) |
|-----|---------------|-----------|-----|-----------|-----------|
| 0   | PARITY        | D6711     | 41  | P8B-F3    | P9B-F3    |
| 1   | CABINET LEFT  | D6711     | 35  | P8B-G12   | P9B-G12   |
| 2   | CABINET RIGHT | D6711     | 40  | P8B-F12   | P9B-F12   |
| 3   | FLIGHT TEST   | D6710     | 44  | P8A-H17   | P9A-H17   |
| 4   | SIM/AIRPLANE  | D6710     | 45  | P8B-E2    | P9B-E2    |
| 5   | WING FOLD 1   | D6710     | 46  | P8B-E3    | P9B-E3    |
| 6   | WING FOLD 2   | D6710     | 28  | P8A-E17   | P9A-E17   |

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| BIT | DEFINITION  | CONNECTOR | PIN | IOM(M008) | IOM(M009) |
|-----|-------------|-----------|-----|-----------|-----------|
| 7   | WING FOLD 3 | D6710     | 38  | P8A-G16   | P9A-G16   |
| 8   | AIRFRAME 1  | D6710     | 35  | P8A-G14   | P9A-G14   |
| 9   | AIRFRAME 2  | D6710     | 40  | P8A-G17   | P9A-G17   |
| 12  | ENGINE 1    | D6710     | 41  | P8A-H14   | P9A-H14   |
| 13  | ENGINE 2    | D6710     | 42  | P8A-H15   | P9A-H15   |
| 14  | ENGINE 3    | D6710     | 43  | P8A-H16   | P9A-H16   |

- (f) Find the definition of the bit and the connectors
- (g) Remove the applicable IOM from the AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (h) Do a check of the program pin wiring (WDM 31-41-15).
- (i) Repair the problems that you find.
- (j) Re-install the applicable IOM. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (k) If IOM(M003) in left AIMS had incorrect program pins, do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
- (l) If IOM(M003) in right AIMS had incorrect program pins, do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
- (m) If IOM(M004) in left AIMS had incorrect program pins, do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
- (n) If IOM(M004) in right AIMS had incorrect program pins, do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
- (o) If IOM(M008) in left AIMS had incorrect program pins, do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
- (p) If IOM(M008) in right AIMS had incorrect program pins, do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
- (q) If IOM(M009) in left AIMS had incorrect program pins, do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
- (r) If IOM(M009) in right AIMS had incorrect program pins, do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
- (s) If the left AIMS had incorrect program pins, do these ground tests on the MAT:
  - 1) 31 AIMS - Left AIMS, System Test, CPM/GG(M010) in Left AIMS Module Reset.
  - 2) 31 AIMS - Left AIMS, System Test, CPM/GG(M011) in Left AIMS Module Reset.
- (t) If the right AIMS had incorrect program pins, do this ground test on the MAT:
  - 1) 31 AIMS - Right AIMS, System Test, CPM/GG(M010) in Right AIMS Module Reset.
  - 2) 31 AIMS - Right AIMS, System Test, CPM/GG(M011) in Right AIMS Module Reset.
- (u) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

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### 807. Left AIMS (M008) Program Pin Problem - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50031.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
  - (a) Make these selections on the MAT: 31 AIMS - Left AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Left AIMS Module Reset
    - 2) CPM/GG(M011) in Left AIMS Module Reset
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Do this check of the wiring between the connectors for the AIMS IOM M008 and M009:
  - (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J410-B and J420-B (WDM 31-41-15):

| J410-B |       | J420-B |
|--------|-------|--------|
| pin C8 | ..... | pin C8 |
| pin E3 | ..... | pin E3 |
  - (d) Do a wiring check between these pins of the IOM connectors J410-A and J420-A (WDM 31-41-15):

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### J410-A

pin D2 . . . . . pin D2

### J420-A

- (e) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (4) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
  - (a) Make these selections on the MAT: 31 AIMS - Left AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Left AIMS Module Reset
    - 2) CPM/GG(M011) in Left AIMS Module Reset
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

## 808. Right AIMS (M008) Program Pin Problem - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50032.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
  - (a) Make these selections on the MAT: 31 AIMS - Right AIMS, System Test.

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- (b) Select the reset for the appropriate module:
  - 1) CPM/GG(M010) in Right AIMS Module Reset
  - 2) CPM/GG(M011) in Right AIMS Module Reset
- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Do this check of the wiring between the connectors for the AIMS IOM M008 and M009:
  - (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J410-B and J420-B (WDM 31-41-15):

| <b>J410-B</b>    | <b>J420-B</b> |
|------------------|---------------|
| pin D8 . . . . . | pin D8        |
| pin E3 . . . . . | pin E3        |

- (d) Do a wiring check between these pins of the IOM connectors J410-A and J420-A(WDM 31-41-15):

| <b>J410-A</b>    | <b>J420-A</b> |
|------------------|---------------|
| pin D2 . . . . . | pin D2        |

- (e) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (4) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
  - (a) Make these selections on the MAT: 31 AIMS - Right AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Right AIMS Module Reset
    - 2) CPM/GG(M011) in Right AIMS Module Reset
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 809. Left AIMS (M004) Program Pin Problem - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-50041.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
  - (a) Make these selections on the MAT: 31 AIMS - Left AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Left AIMS Module Reset
    - 2) CPM/GG(M011) in Left AIMS Module Reset
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Do this check of the wiring between the connectors for the AIMS IOM M003 and M004:
  - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J240-B and J250-B(WDM 31-41-15):

|               |               |
|---------------|---------------|
| <b>J240-B</b> | <b>J250-B</b> |
| pin C8        | pin C8        |
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (4) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
  - (a) Make these selections on the MAT: 31 AIMS - Left AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Left AIMS Module Reset
    - 2) CPM/GG(M011) in Left AIMS Module Reset
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 810. Right AIMS (M004) Program Pin Problem - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-50042.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
  - (a) Make these selections on the MAT: 31 AIMS - Right AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Right AIMS Module Reset
    - 2) CPM/GG(M011) in Right AIMS Module Reset
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Do this check of the wiring between the connectors for the AIMS IOM M003 and M004:
  - (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.

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- (c) Do a wiring check between these pins of the IOM connectors J240-B and J250-B(WDM 31-41-15):

| J240-B           | J250-B |
|------------------|--------|
| pin D8 . . . . . | pin D8 |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (4) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
- (a) Make these selections on the MAT: 31 AIMS - Right AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Right AIMS Module Reset
    - 2) CPM/GG(M011) in Right AIMS Module Reset
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 811. Left AIMS (M003) Program Pin Problem - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-50051.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.

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- (2) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
  - (a) Make these selections on the MAT: 31 AIMS - Left AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Left AIMS Module Reset
    - 2) CPM/GG(M011) in Left AIMS Module Reset
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Do this check of the wiring between the connectors for the AIMS IOM M003 and M004:
  - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J240-B and J250-B(WDM 31-41-15):

|               |               |
|---------------|---------------|
| <b>J240-B</b> | <b>J250-B</b> |
| pin C8        | pin C8        |
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (4) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
  - (a) Make these selections on the MAT: 31 AIMS - Left AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Left AIMS Module Reset
    - 2) CPM/GG(M011) in Left AIMS Module Reset
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 812. Right AIMS (M003) Program Pin Problem - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50052.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.

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- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the right AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
  - (a) Make these selections on the MAT: 31 AIMS - Right AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Right AIMS Module Reset
    - 2) CPM/GG(M011) in Right AIMS Module Reset
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Do this check of the wiring between the connectors for the AIMS IOM M003 and M004:
  - (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors P3 and P4 (WDM 31-41-15):

|                  |               |
|------------------|---------------|
| <b>J240-B</b>    | <b>J250-B</b> |
| pin D8 . . . . . | pin D8        |
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (4) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
  - (a) Make these selections on the MAT: 31 AIMS - Right AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Right AIMS Module Reset
    - 2) CPM/GG(M011) in Right AIMS Module Reset

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- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 813. Left AIMS (M003, M004, M008, M009) Program Pin Problem - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50061.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, do these steps:
- (a) Do these ground tests on the MAT: 31 AIMS - Left AIMS, System Test:
- 1) IOM(M003) in Left AIMS Module Reset
  - 2) IOM(M004) in Left AIMS Module Reset
  - 3) IOM(M008) in Left AIMS Module Reset
  - 4) IOM(M009) in Left AIMS Module Reset
- (b) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (c) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### ARO 003 POST SB 777-31-0227 AND PRE SB 777-31-0263 AND PRE SB 777-31-0264 AND PRE SB 777-31-0218

- (3) Enter the airplane tail number on the System Information page to establish Controller-Pilot Data Link Communications (CPDLC).
- (a) Make these selections on the MFD to access the System Information page.
- 1) Press COMM on the DSP to display the FDCF MAIN MENU on the MFD.
  - 2) Press MANAGER on the FDCF MAIN MENU to display the FDCF MANAGER MENU.
  - 3) Press SYSTEM INFORMATION on the FDCF MANAGER MENU to display the SYSTEM INFORMATION Sub-menu.
- (b) Enter the airplane tail number.

**NOTE:** The tail number is lost and needs to be re-entered to re-establish CPDLC if the AIMS L or AIMS R circuit breakers are cycled, the AIMS CPM/COMM module is re-racked, new CMCF AMI software is loaded, or new COMM software is loaded. The tail number must be entered before engine start, since the field is inhibited after engine start.

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#### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Replace the IOM(M004) in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M008) in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the IOM(M009) in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
  - (a) Make these selections on the MAT: 31 AIMS - Left AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Left AIMS Module Reset
    - 2) CPM/GG(M011) in Left AIMS Module Reset
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (6) Do this check of the wiring:
  - (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J410-B and J420-B (WDM 31-41-15):

**J410-B**  
pin C8 . . . . .

**J420-B**  
pin C8

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- (d) Do a wiring check between these pins of the IOM connectors J410-A and J420-A(WDM 31-41-15):

| <b>J410-A</b> | <b>J420-A</b> |
|---------------|---------------|
| pin D2        | pin D2        |

- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (7) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
- (a) Make these selections on the MAT: 31 AIMS - Left AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Left AIMS Module Reset
    - 2) CPM/GG(M011) in Left AIMS Module Reset
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (8) Do this check of the wiring:
- (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J240-B and J250-B(WDM 31-41-15):

| <b>J240-B</b> | <b>J250-B</b> |
|---------------|---------------|
| pin C8        | pin C8        |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (9) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
- (a) Make these selections on the MAT: 31 AIMS - Left AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Left AIMS Module Reset

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- 2) CPM/GG(M011) in Left AIMS Module Reset
- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 814. Right AIMS (M003, M004, M008, M009) Program Pin Problem - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50062.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, do these steps:
  - (a) Do these ground tests on the MAT: 31 AIMS - Right AIMS, System Test:
    - 1) IOM(M003) in Right AIMS Module Reset
    - 2) IOM(M004) in Right AIMS Module Reset
    - 3) IOM(M008) in Right AIMS Module Reset
    - 4) IOM(M009) in Right AIMS Module Reset
  - (b) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (c) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **ARO 003 POST SB 777-31-0227 AND PRE SB 777-31-0263 AND PRE SB 777-31-0264 AND PRE SB 777-31-0218**

- (3) Enter the airplane tail number on the System Information page to establish Controller-Pilot Data Link Communications (CPDLC).
  - (a) Make these selections on the MFD to access the System Information page.
    - 1) Press COMM on the DSP to display the FDCF MAIN MENU on the MFD.
    - 2) Press MANAGER on the FDCF MAIN MENU to display the FDCF MANAGER MENU.
    - 3) Press SYSTEM INFORMATION on the FDCF MANAGER MENU to display the SYSTEM INFORMATION Sub-menu.
  - (b) Enter the airplane tail number.

**NOTE:** The tail number is lost and needs to be re-entered to re-establish CPDLC if the AIMS L or AIMS R circuit breakers are cycled, the AIMS CPM/COMM module is re-racked, new CMCF AMI software is loaded, or new COMM software is loaded. The tail number must be entered before engine start, since the field is inhibited after engine start.

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#### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Replace the IOM(M004) in the right AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M008) in the right AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the IOM(M009) in the right AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
  - (a) Make these selections on the MAT: 31 AIMS - Right AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Right AIMS Module Reset
    - 2) CPM/GG(M011) in Right AIMS Module Reset
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (6) Do this check of the wiring:
  - (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J410-B and J420-B (WDM 31-41-15):

**J410-B**

pin D8

pin E3

**J420-B**

pin D8

pin E3

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- (d) Do a wiring check between these pins of the IOM connectors J410-A and J420-A(WDM 31-41-15):

| <b>J410-A</b> | <b>J420-A</b> |
|---------------|---------------|
| pin D2        | pin D2        |

- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (7) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
- (a) Make these selections on the MAT: 31 AIMS - Right AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Right AIMS Module Reset
    - 2) CPM/GG(M011) in Right AIMS Module Reset
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (8) Do this check of the wiring:
- (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J240-B and J250-B(WDM 31-41-15):

| <b>J240-B</b> | <b>J250-B</b> |
|---------------|---------------|
| pin D8        | pin D8        |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (9) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
- (a) Make these selections on the MAT: 31 AIMS - Right AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Right AIMS Module Reset

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- 2) CPM/GG(M011) in Right AIMS Module Reset
- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### 815. Left AIMS (M008, M009) Program Pin Problem - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50071.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then continue.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.
- (3) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
  - (a) Make these selections on the MAT: 31 AIMS - Left AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Left AIMS Module Reset
    - 2) CPM/GG(M011) in Left AIMS Module Reset

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- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (4) Do this check of the wiring:
- (a) Remove the IOM(M008) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the IOM(M009) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between these pins of the IOM connectors J410-B and J420-B (WDM 31-41-15):
- | <b>J410-B</b>    | <b>J420-B</b> |
|------------------|---------------|
| pin C8 . . . . . | pin C8        |
| pin E3 . . . . . | pin E3        |
- (d) Do a wiring check between these pins of the IOM connectors J410-A and J420-A(WDM 31-41-15):
- | <b>J410-A</b>    | <b>J420-A</b> |
|------------------|---------------|
| pin D2 . . . . . | pin D2        |
- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M009) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (5) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
- (a) Make these selections on the MAT: 31 AIMS - Left AIMS, System Test.
- (b) Select the reset for the appropriate module:
- 1) CPM/GG(M010) in Left AIMS Module Reset
  - 2) CPM/GG(M011) in Left AIMS Module Reset
- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 816. Right AIMS (M008, M009) Program Pin Problem - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-50072.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.

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- (a) If the maintenance message shows on the ground test display, then continue.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.
- (3) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Replace the IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
  - (a) Make these selections on the MAT: 31 AIMS - Right AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Right AIMS Module Reset
    - 2) CPM/GG(M011) in Right AIMS Module Reset
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (4) Do this check of the wiring:
  - (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M009) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J410-B and J420-B (WDM 31-41-15):

#### J410-B

pin D8 ..... pin D8  
pin E3 ..... pin E3

#### J420-B

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- (d) Do a wiring check between these pins of the IOM connectors J410-A and J420-A(WDM 31-41-15):

| J410-A | J420-A |
|--------|--------|
| pin D2 | pin D2 |

- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M009) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (5) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
- (a) Make these selections on the MAT: 31 AIMS - Right AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Right AIMS Module Reset
    - 2) CPM/GG(M011) in Right AIMS Module Reset
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 817. Left AIMS (M003, M004) Program Pin Problem - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50081.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then continue.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.
- (3) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

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Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Replace the IOM(M004) in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
  - (a) Make these selections on the MAT: 31 AIMS - Left AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Left AIMS Module Reset
    - 2) CPM/GG(M011) in Left AIMS Module Reset
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (4) Do this check of the wiring:
  - (a) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J240-B and J250-B(WDM 31-41-15):

|               |               |
|---------------|---------------|
| <b>J240-B</b> | <b>J250-B</b> |
| pin C8        | pin C8        |
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (5) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
  - (a) Make these selections on the MAT: 31 AIMS - Left AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Left AIMS Module Reset
    - 2) CPM/GG(M011) in Left AIMS Module Reset

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- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 818. Right AIMS (M003, M004) Program Pin Problem - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50082.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then continue.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.
- (3) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
- (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the right AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Replace the IOM(M004) in the right AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
- (a) Make these selections on the MAT: 31 AIMS - Right AIMS, System Test.
- (b) Select the reset for the appropriate module:
- 1) CPM/GG(M010) in Right AIMS Module Reset
- 2) CPM/GG(M011) in Right AIMS Module Reset

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- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (4) Do this check of the wiring:
  - (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M004) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM connectors J240-B and J250-B(WDM 31-41-15):

|                  |               |
|------------------|---------------|
| <b>J240-B</b>    | <b>J250-B</b> |
| pin D8 . . . . . | pin D8        |
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M004) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (5) Use a MAT to reset the CPM/GG modules in the AIMS you repaired:
  - (a) Make these selections on the MAT: 31 AIMS - Right AIMS, System Test.
  - (b) Select the reset for the appropriate module:
    - 1) CPM/GG(M010) in Right AIMS Module Reset
    - 2) CPM/GG(M011) in Right AIMS Module Reset
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 819. Left AIMS Program Pin Configuration Problem - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-50091.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Use a maintenance access terminal (MAT) to do a cabinet reset of the left AIMS cabinet:
  - (a) Make sure that the right CMCF is in control. (The right CMCF is in control if this indication shows at the top of the fault displays: This data is from Right CMCF.)

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- 1) If the left CMCF is in control, make these selections on the MAT to put the right CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO RIGHT.
- (b) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.  
**NOTE:** The Left AIMS Cabinet Reset ground test must be started by the PMAT.
  - 1) If the MAT shows NOT ACTIVE for the maintenance message on the Existing Faults display (or if the message does not show), you corrected the fault.
  - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Use a maintenance access terminal (MAT) to do a check of the program pin configuration of the left AIMS cabinet:
  - (a) Make these selections on the MAT:
    - 1) ONBOARD MAINTENANCE
    - 2) LINE MAINTENANCE
    - 3) SYSTEM CONFIGURATION
    - 4) 31 AIMS - Left AIMS
    - 5) CONTINUE
  - (b) Look at the IOM Program Pins for each IOM and find those that are different from these correct values:
    - 1) IOM(M003) & (M004) in Left AIMS
      - a) BFDF-FF40-2000
    - 2) IOM(M008) & (M009) in Left AIMS
      - a) 3B7D-FFC4-8200
      - b) BB3D FF44 C200
- (3) Find the applicable wiring for the incorrect program pins and do a wiring check:
  - (a) Use the table below (Table 201to find the bit that is incorrect:
    - 1) Write the first four hex characters of the incorrect program pin value from the System Configuration display under G, H, J, and K on the "Hex is now" line.  
**NOTE:** Given the program pins in the format GHJK-LMNP-WXYZ, positions L, M, N, P, W, X, Y, and Z can be ignored for this fault isolation procedure.

**Table 201/31-44-00-993-806 Hex/Binary Values**

| POSITION         | G |   |   |   | H |   |   |   | J |   |    |    | K  |    |    |    |
|------------------|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| Hex is now       | — |   |   |   | — |   |   |   | — |   |    |    | —  |    |    |    |
| Hex should be    | — |   |   |   | — |   |   |   | — |   |    |    | —  |    |    |    |
| Binary is now    | — | — | — | — | — | — | — | — | — | — | —  | —  | —  | —  | —  | —  |
| Binary should be | — | — | — | — | — | — | — | — | — | — | —  | —  | —  | —  | —  | —  |
| Bit              | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |

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- 2) Write the first four hex characters of the correct program pin value from the FIM on the "Hex should be" line.
- 3) Compare the "Hex is now" line with the "Hex should be" line and find the incorrect hex character.
- 4) Under the incorrect hex character, write the binary equivalent of the incorrect hex character on the "Binary is now" line. (Refer to the table below Table 202 for the binary equivalent of each hex character.)
- 5) Write the binary equivalent of the correct hex character on the "Binary should be" line.
- 6) Compare the binary values and find the number of the incorrect bit on the "Bit" line.

**Table 202/31-44-00-993-807 Hex to Binary Conversion**

| HEX | BINARY |
|-----|--------|
| 0   | 0000   |
| 1   | 0001   |
| 2   | 0010   |
| 3   | 0011   |
| 4   | 0100   |
| 5   | 0101   |
| 6   | 0110   |
| 7   | 0111   |
| 8   | 1000   |
| 9   | 1001   |
| A   | 1010   |
| B   | 1011   |
| C   | 1100   |
| D   | 1101   |
| E   | 1110   |
| F   | 1111   |

- (b) If IOM(M003) or IOM(M004) has incorrect program pins, find the incorrect bit in the table below (Table 203):

**Table 203/31-44-00-993-808 M003/M004 Program Pins**

| BIT | DEFINITION    | CONNECTOR | PIN | IOM(M003) | IOM(M004) |
|-----|---------------|-----------|-----|-----------|-----------|
| 1   | CABINET LEFT  | D6623     | 35  | P3B-G12   | P4B-G12   |
| 2   | CABINET RIGHT | D6623     | 40  | P3B-F12   | P4B-F12   |
| 10  | AIRFRAME 3    | D6626     | 24  | P3B-G7    | P4B-G7    |
| 11  | AIRFRAME 4    | D6626     | 26  | P3B-G8    | P4B-G8    |

- (c) If IOM(M008) or IOM(M009) has incorrect program pins, find the incorrect bit in the table below (Table 204):

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**Table 204/31-44-00-993-809 M008/M009 Program Pins**

| BIT | DEFINITION    | CONNECTOR | PIN | IOM(M008) | IOM(M009) |
|-----|---------------|-----------|-----|-----------|-----------|
| 0   | PARITY        | D6611     | 41  | P8B-F3    | P9B-F3    |
| 1   | CABINET LEFT  | D6611     | 35  | P8B-G12   | P9B-G12   |
| 2   | CABINET RIGHT | D6611     | 40  | P8B-F12   | P9B-F12   |
| 3   | FLIGHT TEST   | D6610     | 44  | P8A-H17   | P9A-H17   |
| 4   | SIM/AIRPLANE  | D6610     | 45  | P8B-E2    | P9B-E2    |
| 5   | WING FOLD 1   | D6610     | 46  | P8B-E3    | P9B-E3    |
| 6   | WING FOLD 2   | D6610     | 28  | P8A-E17   | P9A-E17   |
| 7   | WING FOLD 3   | D6610     | 37  | P8A-G15   | P9A-G15   |
| 8   | AIRFRAME 1    | D6610     | 35  | P8A-G14   | P9A-G14   |
| 9   | AIRFRAME 2    | D6610     | 40  | P8A-G17   | P9A-G17   |
| 12  | ENGINE 1      | D6610     | 41  | P8A-H14   | P9A-H14   |
| 13  | ENGINE 2      | D6610     | 42  | P8A-H15   | P9A-H15   |
| 14  | ENGINE 3      | D6610     | 43  | P8A-H16   | P9A-H16   |

- (d) Find the definition of the bit and the connectors
- (e) Remove the applicable IOM from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (f) Do a check of the program pin wiring (WDM 31-41-15).
- (g) Repair the problems that you find.
- (h) Re-install the applicable IOM in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (i) If IOM(M003) had incorrect program pins, do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
- (j) If IOM(M004) had incorrect program pins, do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
- (k) If IOM(M008) had incorrect program pins, do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
- (l) If IOM(M009) had incorrect program pins, do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
- (m) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M010) in Left AIMS Module Reset.
- (n) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M011) in Left AIMS Module Reset.
- (o) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

## 820. Right AIMS Program Pin Configuration Problem - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50092.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Use a maintenance access terminal (MAT) to do a cabinet reset of the right AIMS cabinet:
  - (a) Make sure that the left CMCF is in control. (The left CMCF is in control if this indication shows at the top of the fault displays: This data is from Left CMCF.)
    - 1) If the right CMCF is in control, make these selections on the MAT to put the left CMCF in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL, SWITCH TO LEFT.
  - (b) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
    - 1) If the MAT shows NOT ACTIVE for the maintenance message on the Existing Faults display (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Use a maintenance access terminal (MAT) to do a check of the program pin configuration of the right AIMS cabinet:
  - (a) Make these selections on the MAT:
    - 1) ONBOARD MAINTENANCE
    - 2) LINE MAINTENANCE
    - 3) SYSTEM CONFIGURATION
    - 4) 31 AIMS - Right AIMS
    - 5) CONTINUE
  - (b) Look at the IOM Program Pins for each IOM and find those that are different from these correct values:
    - 1) IOM(M003) & (M004) in Right AIMS
      - a) DFDF FF20 2000
    - 2) IOM(M008) & (M009) in Right AIMS
      - a) 5B7D FFA4 8200
      - b) DB3D FF24 C200
- (3) Find the applicable wiring for the incorrect program pins and do a wiring check:
  - (a) Use the table below (Table 205) to find the bit that is incorrect:
    - 1) Write the first four hex characters of the incorrect program pin value from the System Configuration display under G, H, J, and K on the "Hex is now" line.

**NOTE:** Given the program pins in the format GHJK-LMNP-WXYZ, positions L, M, N, P, W, X, Y, and Z can be ignored for this fault isolation procedure.

**Table 205/31-44-00-993-805 Hex/Binary Values**

| POSITION | G | H | J | K |
|----------|---|---|---|---|
|----------|---|---|---|---|

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**Table 205/31-44-00-993-805 Hex/Binary Values (Continued)**

|                  |         |         |           |             |
|------------------|---------|---------|-----------|-------------|
| Hex is now       | —       | —       | —         | —           |
| Hex should be    | —       | —       | —         | —           |
| Binary is now    | — — — — | — — — — | — — — —   | — — — —     |
| Binary should be | — — — — | — — — — | — — — —   | — — — —     |
| Bit              | 0 1 2 3 | 4 5 6 7 | 8 9 10 11 | 12 13 14 15 |

- 2) Write the first four hex characters of the correct program pin value from the FIM on the "Hex should be" line.
- 3) Compare the "Hex is now" line with the "Hex should be" line and find the incorrect hex character.
- 4) Under the incorrect hex character, write the binary equivalent of the incorrect hex character on the "Binary is now" line. (Refer to the table below (Table 206) for the binary equivalent of each hex character.)
- 5) Write the binary equivalent of the correct hex character on the "BINARY SHOULD BE" line.
- 6) Compare the binary values and find the number of the incorrect bit on the "BIT" line.

**Table 206/31-44-00-993-802 Hex to Binary Conversion**

| HEX | BINARY |
|-----|--------|
| 0   | 0000   |
| 1   | 0001   |
| 2   | 0010   |
| 3   | 0011   |
| 4   | 0100   |
| 5   | 0101   |
| 6   | 0110   |
| 7   | 0111   |
| 8   | 1000   |
| 9   | 1001   |
| A   | 1010   |
| B   | 1011   |
| C   | 1100   |
| D   | 1101   |
| E   | 1110   |
| F   | 1111   |

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- (b) If IOM(M003) or IOM(M004) has incorrect program pins, find the incorrect bit in the table below (Table 207).

**Table 207/31-44-00-993-803 M003/M004 Program Pins**

| BIT | DEFINITION    | CONNECTOR | PIN | IOM(M003) | IOM(M004) |
|-----|---------------|-----------|-----|-----------|-----------|
| 1   | CABINET LEFT  | D6723     | 35  | P3B-G12   | P4B-G12   |
| 2   | CABINET RIGHT | D6723     | 40  | P3B-F12   | P4B-F12   |
| 10  | AIRFRAME 3    | D6722     | 42  | P3B-H15   | P4B-H15   |
| 11  | AIRFRAME 4    | D6722     | 43  | P3B-H16   | P4B-H16   |

- (c) If IOM(M008) or IOM(M009) has incorrect program pins, find the incorrect bit in the table below (Table 208).

**Table 208/31-44-00-993-804 M008/M009 Program Pins**

| BIT | DEFINITION    | CONNECTOR | PIN | IOM(M008) | IOM(M009) |
|-----|---------------|-----------|-----|-----------|-----------|
| 0   | PARITY        | D6711     | 41  | P8B-F3    | P9B-F3    |
| 1   | CABINET LEFT  | D6711     | 35  | P8B-G12   | P9B-G12   |
| 2   | CABINET RIGHT | D6711     | 40  | P8B-F12   | P9B-F12   |
| 3   | FLIGHT TEST   | D6710     | 44  | P8A-H17   | P9A-H17   |
| 4   | SIM/AIRPLANE  | D6710     | 45  | P8B-E2    | P9B-E2    |
| 5   | WING FOLD 1   | D6710     | 46  | P8B-E3    | P9B-E3    |
| 6   | WING FOLD 2   | D6710     | 28  | P8A-E17   | P9A-E17   |
| 7   | WING FOLD 3   | D6710     | 38  | P8A-G16   | P9A-G16   |
| 8   | AIRFRAME 1    | D6710     | 35  | P8A-G14   | P9A-G14   |
| 9   | AIRFRAME 2    | D6710     | 40  | P8A-G17   | P9A-G17   |
| 12  | ENGINE 1      | D6710     | 41  | P8A-H14   | P9A-H14   |
| 13  | ENGINE 2      | D6710     | 42  | P8A-H15   | P9A-H15   |
| 14  | ENGINE 3      | D6710     | 43  | P8A-H16   | P9A-H16   |

- (d) Find the definition of the bit and the connectors
- (e) Remove the applicable IOM from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (f) Do a check of the program pin wiring (WDM 31-41-15).
- (g) Repair the problems that you find.
- (h) Re-install the applicable IOM in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (i) If IOM(M003) had incorrect program pins, do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
- (j) If IOM(M004) had incorrect program pins, do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
- (k) If IOM(M008) had incorrect program pins, do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.

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- (l) If IOM(M009) had incorrect program pins, do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
- (m) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M010) in Right AIMS Module Reset.
- (n) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M011) in Right AIMS Module Reset.
- (o) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 821. AIMS-L 28V DC Hot Battery Bus Power Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50007.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P310 Standby Power Management Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31651 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of C31651, then do these steps (WDM 31-41-11):
    - 1) Replace this circuit breaker:

##### Standby Power Management Panel, P310

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| J          | 6          | C31651        | AIMS L      |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
      - a) Close the P310 Standby Power Management Panel.
    - (d) If there is 28V DC at terminal 2 of C31651, then continue.
  - (2) Do this repair of the wiring:
    - (a) Repair the wiring between the AIMS LRM Connector P1-C, pin A15, in the left AIMS cabinet, M31101 and the AIMS rear Connector D6631 pin 1 (SSM 31-41-10).
    - (b) If the fault is in the AIMS cabinet, replace the AIMS cabinet.

These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
    - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
      - 1) Close the P310 Standby Power Management Panel.

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- (d) If the fault continues, repair the wiring between the AIMS rear Connector D6631 pin 1 and circuit breaker C31651, terminal 2 (WDM 31-41-11).
- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 1) Close the P310 Standby Power Management Panel.

————— **END OF TASK** —————

### 822. **AIMS-R 28V DC Hot Battery Bus Power Problems - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-50008.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P310 Standby Power Management Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31650 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of C31650, then do these steps (WDM 31-41-11):
    - 1) Replace this circuit breaker:

##### **Standby Power Management Panel, P310**

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| J          | 7          | C31650        | AIMS R      |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
      - a) Close the P310 Standby Power Management Panel.
    - (d) If there is 28V DC at terminal 2 of C31650, then continue.
  - (2) Do this repair of the wiring:
    - (a) Repair the wiring between the AIMS LRM Connector P1-C, pin A15, in the right AIMS cabinet, M31201 and the AIMS rear Connector D6731 pin 1 (SSM 31-41-10).
    - (b) If the fault is in the AIMS cabinet, replace the AIMS cabinet.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
    - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
      - 1) Close the P310 Standby Power Management Panel.
    - (d) If the fault continues, repair the wiring between the AIMS rear Connector D6731 pin 1 and circuit breaker C31650, terminal 2 (WDM 31-41-11).

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- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 1) Close the P310 Standby Power Management Panel.

### END OF TASK

#### 823. AIMS-L 28V DC Left Capt Fit Inst Bus Power Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50017.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31609 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of C31609, then do these steps (WDM 31-41-11):
    - 1) Replace this circuit breaker:

###### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
        - a) Close the P11 Overhead Circuit Breaker Panel.
    - (d) If there is 28V DC at terminal 2 of C31609, then continue.
  - (2) Do this check for 28V DC at the circuit breaker:
    - (a) Do a check for 28V DC between terminal 2 of circuit breaker C31611 and structure ground (WDM 31-41-11).
    - (b) If there is not 28V DC at terminal 2 of C31611, then do these steps (WDM 31-41-11):
      - 1) Replace this circuit breaker:

###### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 13         | C31611        | AIMS L-2    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
        - a) Close the P11 Overhead Circuit Breaker Panel.
    - (c) If there is 28V DC at terminal 2 of C31611 then continue.
  - (3) Do this check of the wiring:

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- (a) Check the wiring between the AIMS LRM Connector P1-C, pin A17, in the left AIMS cabinet, M31101 and the AIMS rear Connector D6601 pin 3 (SSM 31-41-10).
- (b) Check the wiring between the AIMS LRM Connector P3-C, pin A17, in the left AIMS cabinet, M31101 and the AIMS rear Connector D6601 pin 3 (SSM 31-41-10).
- (c) If the fault is in the AIMS cabinet, replace the AIMS cabinet.  
These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
- (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 1) Close the P11 Overhead Circuit Breaker Panel.
- (e) If the fault continues, repair the wiring between the AIMS rear Connector D6601 pin 3 and circuit breaker C31611, terminal 2 (WDM 31-41-11).
- (f) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 1) Close the P11 Overhead Circuit Breaker Panel.

### END OF TASK

#### 824. AIMS-R 28V DC Left Bus Power Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50018.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31610 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of C31610, then do these steps (WDM 31-41-11):
    - 1) Replace this circuit breaker:

##### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
      - a) Close the P11 Overhead Circuit Breaker Panel.
    - (d) If there is 28V DC at terminal 2 of C31610, then continue.
  - (2) Do this check for 28V DC at the circuit breaker:

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- (a) Do a check for 28V DC between terminal 2 of circuit breaker C31612 and structure ground (WDM 31-41-11).
- (b) If there is not 28V DC at terminal 2 of C31612, then do these steps (WDM 31-41-11):
  - 1) Replace this circuit breaker:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 13         | C31612        | AIMS R-2    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - a) Close the P11 Overhead Circuit Breaker Panel.
  - (c) If there is 28V DC at terminal 2 of C31612 then continue.
- (3) Do this check of the wiring:
  - (a) Check the wiring between the AIMS LRM Connector P1-C, pin A15, in the right AIMS cabinet, M31201 and the AIMS rear Connector D6701 pin 3 (SSM 31-41-10).
  - (b) Check the wiring between the AIMS LRM Connector P3-C, pin A15, in the right AIMS cabinet, M31201 and the AIMS rear Connector D6701 pin 3 (SSM 31-41-10).
  - (c) If the fault is in the AIMS cabinet, replace the AIMS cabinet.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802.
  - (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 1) Close the P11 Overhead Circuit Breaker Panel.
  - (e) If the fault continues, repair the wiring between the AIMS rear Connector D6701 pin 3 and circuit breaker C31612, terminal 2 (WDM 31-41-11).
  - (f) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 1) Close the P11 Overhead Circuit Breaker Panel.

————— **END OF TASK** —————

### 825. AIMS-L 28V DC Right F/O Flt Inst Bus Power Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50027.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P11 Overhead Circuit Breaker Panel.

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- (b) Do a check for 28V DC between terminal 2 of circuit breaker C31617 and structure ground (WDM 31-41-11).
- (c) If there is not 28V DC at terminal 2 of C31617, then do these steps (WDM 31-41-11):
  - 1) Replace this circuit breaker:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 14         | C31617        | AIMS L-3    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - a) Close the P11 Overhead Circuit Breaker Panel.
  - (d) If there is 28V DC at terminal 2 of C31617, then continue.
- (2) Do this check for 28V DC at the circuit breaker:

- (a) Do a check for 28V DC between terminal 2 of circuit breaker C31619 and structure ground (WDM 31-41-11).
- (b) If there is not 28V DC at terminal 2 of C31619, then do these steps (WDM 31-41-11):
  - 1) Replace this circuit breakers

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 15         | C31619        | AIMS L-4    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - a) Close the P11 Overhead Circuit Breaker Panel.
  - (c) If there is 28V DC at terminal 2 of C31619 then continue.
- (3) Do this check of the wiring:
  - (a) Check continuity (8 ohms or less) between the AIMS LRM connector P1-C, either one of these pins G13 or H13, in the left AIMS cabinet, M31101 and the AIMS rear connector D6630 pin 3(WDM 31-41-11).
  - (b) Check continuity (8 ohms or less) between the AIMS LRM connector P2-C, either one of these pins G13 or H13, in the left AIMS cabinet, M31101 and the AIMS rear connector D6630 pin 3 (WDM 31-41-11).
  - (c) If the fault is in the AIMS cabinet, replace the AIMS cabinet.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
  - (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 1) Close the P11 Overhead Circuit Breaker Panel.
  - (e) If the fault continues, repair the wiring between the AIMS rear Connector D6630 pin 3 and circuit breaker C31619, terminal 2 (WDM 31-41-11).
  - (f) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- 1) Close the P11 Overhead Circuit Breaker Panel.

————— END OF TASK —————

**826. AIMS-R 28V DC Right Bus Power Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-50028.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31618 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of C31618, then do these steps (WDM 31-41-11):
    - 1) Replace this circuit breaker:

**Overhead Circuit Breaker Panel, P11**

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 14         | C31618        | AIMS R-3    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
      - a) Close the P11 Overhead Circuit Breaker Panel.
    - (d) If there is 28V DC at terminal 2 of C31618, then continue.
  - (2) Do this check for 28V DC at the circuit breaker:
    - (a) Do a check for 28V DC between terminal 2 of circuit breaker C31620 and structure ground (WDM 31-41-11).
    - (b) If there is not 28V DC at terminal 2 of C31620, then do these steps (WDM 31-41-11):
      - 1) Replace this circuit breaker:

**Overhead Circuit Breaker Panel, P11**

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 15         | C31620        | AIMS R-4    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
      - a) Close the P11 Overhead Circuit Breaker Panel.
    - (c) If there is 28V DC at terminal 2 of C31620 then continue.
  - (3) Do this check of the wiring:
    - (a) Check the wiring between the AIMS LRM Connector P1-C, pin A13, in the right AIMS cabinet, M31201 and the AIMS rear Connector D6730 pin 3 (SSM 31-41-10).

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- (b) Check the wiring between the AIMS LRM Connector P2-C, pin A13, in the right AIMS cabinet, M31201 and the AIMS rear Connector D6730 pin 3 (SSM 31-41-10).
- (c) If the fault is in the AIMS cabinet, replace the AIMS cabinet.  
These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
- (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 1) Close the P11 Overhead Circuit Breaker Panel.
- (e) If the fault continues, repair the wiring between the AIMS rear Connector D6730 pin 3 and circuit breaker C31620, terminal 2 (WDM 31-41-11).
- (f) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 1) Close the P11 Overhead Circuit Breaker Panel.

————— END OF TASK —————

### 827. Left AIMS CPM/Comm(M001) Module Internal Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51011, 31-51111, 31-51141, 31-51201.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/Comm(M001) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 828. Right AIMS CPM/Comm(M001) Module Internal Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51012, 31-51112, 31-51142, 31-51202.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/Comm(M001) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

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**829. Left CMCF Internal Software Fault - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-51113.

**B. Fault Isolation Procedure**

- (1) Make these selections on the MAT to make sure the right CMCF is in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL.
- (a) If the display shows that the left CMCF is in control, select SWITCH TO RIGHT.
- (b) If the display shows that the right CMCF is in control, then select GO BACK.
- (2) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, CPM/Comm(M001) in Left AIMS Module Reset.
- NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.
- NOTE: The reset erases the fault history data from the left CMCF. The right CMCF will automatically send a copy of its fault history data to the left CMCF.
- (3) Stop for 5 minutes while the right CMCF sends a copy of its fault history data to the left CMCF.
- NOTE: You must stop for 5 minutes to make sure that all the fault history data goes to the left CMCF. There is no indication that tells you when to continue.
- (4) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

**830. Right CMCF Internal Software Fault - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-51114.

**B. Fault Isolation Procedure**

- (1) Make these selections on the MAT to make sure the left CMCF is in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL.
- (a) If the display shows that the right CMCF is in control, select SWITCH TO LEFT.
- (b) If the display shows that the left CMCF is in control, then select GO BACK.
- (2) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm(M001) in Right AIMS Module Reset.
- NOTE: The reset erases the fault history data from the right CMCF. The left CMCF will automatically send a copy of its fault history data to the right CMCF.
- (3) Stop for 5 minutes while the left CMCF sends a copy of its fault history data to the right CMCF.
- NOTE: You must stop for 5 minutes to make sure that all the fault history data goes to the right CMCF. There is no indication that tells you when to continue.
- (4) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

**831. Left AIMS CPM/Comm(M001) Internal S/W Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51143, 31-51203.

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### B. Fault Isolation Procedure

- (1) Make these selections on the MAT to make sure the right CMCF is in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL.

NOTE: You must reset the CPM/Comm from the off-side CMC.

- (a) If the display shows that the left CMCF is in control, select SWITCH TO RIGHT.
  - (b) If the display shows that the right CMCF is in control, then select GO BACK.
- (2) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, CPM/Comm(M001) in Left AIMS Module Reset.  
NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.
  - (3) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

### 832. Right AIMS CPM/Comm(M001) Internal S/W Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51144, 31-51204.

#### B. Fault Isolation Procedure

- (1) Make these selections on the MAT to make sure the right CMCF is in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL.

NOTE: You must reset the CPM/Comm from the off-side CMC.

- (a) If the display shows that the left CMCF is in control, select SWITCH TO RIGHT.
  - (b) If the display shows that the right CMCF is in control, then select GO BACK.
- (2) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm(M001) in Right AIMS Module Reset.
  - (3) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

### 833. Left AIMS CPM/ACMF(M002) or CPM/STD(002) Module Internal Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51021, 31-51341, 31-51401.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/STD(M002) in the left AIMS cabinet.  
These are the tasks:  
Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,  
Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.
- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 834. Right AIMS DCGF or FDO Internal Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51022, 31-51342, 31-51402.

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**B. Fault Isolation Procedure**

- (1) Replace the CPM/STD (M002) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**835. Left AIMS CPM/ACMF(M002) or CPM/STD(M002) Internal S/W Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51343, 31-51403.

**B. Fault Isolation Procedure**

- (1) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/STD(M002) in Left AIMS Module Reset.
- (2) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

**836. Right AIMS CPM/Basic(M002) or CPM/STD(M002) Internal S/W Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51344, 31-51404.

**B. Fault Isolation Procedure**

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/STD(M002) in Right AIMS Module Reset.
- (2) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

**837. Left AIMS CPM/GG(M010) Module Internal Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51531, 31-51601.

**B. Fault Isolation Procedure**

- (1) Replace the CPM/GG(M010) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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**838. Right AIMS CPM/GG(M010) Module Internal Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51532, 31-51602.

**B. Fault Isolation Procedure**

- (1) Replace the CPM/GG(M010) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**839. Left AIMS CPM/GG(M010) Internal S/W Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51533, 31-51603.

**B. Fault Isolation Procedure**

- (1) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M010) in Left AIMS Module Reset.

- (2) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

**840. Right AIMS CPM/GG(M010) Internal S/W Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51534, 31-51604.

**B. Fault Isolation Procedure**

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M010) in Right AIMS Module Reset.

- (2) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

**841. Left AIMS CPM/GG(M011) Module Internal Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51041, 31-51731, 31-51801.

**B. Fault Isolation Procedure**

- (1) Replace the CPM/GG(M011) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

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- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 842. Right AIMS CPM/GG(M011) Module Internal Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51042, 31-51732, 31-51802.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/GG(M011) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 843. Left AIMS CPM/GG(M011) Internal S/W Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51733, 31-51803.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M011) in Left AIMS Module Reset.
- (2) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

### 844. Right AIMS CPM/GG(M011) Internal S/W Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51734, 31-51804.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M011) in Right AIMS Module Reset.
- (2) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

### 845. Left AIMS IOM(M003) Module Internal Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51941, 31-51951, 31-51961, 31-52015.

#### B. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

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- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 846. Right AIMS IOM(M003) Module Internal Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51942, 31-51952, 31-51962, 31-52016.

#### B. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 847. Left AIMS IOM(M004) Module Internal Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51911, 31-51921, 31-51931, 31-54015.

#### B. Fault Isolation Procedure

- (1) Replace the IOM(M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 848. Right AIMS IOM(M004) Module Internal Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51912, 31-51922, 31-51932, 31-54016.

#### B. Fault Isolation Procedure

- (1) Replace the IOM(M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

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**849. Left AIMS IOM(M008) Module Internal Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51881, 31-51891, 31-51901, 31-56015.

**B. Fault Isolation Procedure**

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**850. Right AIMS IOM(M008) Module Internal Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51882, 31-51892, 31-51902, 31-56016.

**B. Fault Isolation Procedure**

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**851. Left AIMS IOM(M009) Module Internal Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51851, 31-51861, 31-51871, 31-58015.

**B. Fault Isolation Procedure**

- (1) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**852. Right AIMS IOM(M009) Module Internal Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51852, 31-51862, 31-51872, 31-58016.

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### B. Fault Isolation Procedure

- (1) Replace the IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 853. LRMs in AIMS-L 28V DC Hot Battery Bus Power Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51107, 31-51307, 31-51507, 31-51707, 31-52107, 31-54107, 31-56107, 31-58107.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the applicable LRM in the left AIMS cabinet.

- (a) CPM/Comm (M001).

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802.

- (b) CPM/STD (M002).
  - (c) IOM (M003, M004, M008, or M009).

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (d) CPM/GG (M010, M011).

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - (f) If the MAT shows ACTIVE for the maintenance message, then continue.
  - (2) Do this check for 28V DC at the circuit breaker:
    - (a) Open the P310 Standby Power Management Panel.

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- (b) Do a check for 28V DC between terminal 2 of circuit breaker C31651 and structure ground (WDM 31-41-11).
- (c) If there is not 28V DC at terminal 2 of C31651, then do these steps (WDM 31-41-11):
  - 1) Replace this circuit breaker:

### Standby Power Management Panel, P310

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| J          | 6          | C31651        | AIMS L      |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - a) Close the P310 Standby Power Management Panel.

### ARO 003 POST SB 777-31-0227 AND PRE SB 777-31-0263 AND PRE SB 777-31-0264 AND PRE SB 777-31-0218

- b) Enter the airplane tail number on the System Information page to establish Controller-Pilot Data Link Communications (CPDLC).
  - <1> Make these selections on the MFD to access the System Information page.
    - <a> Press COMM on the DSP to display the FDCF MAIN MENU on the MFD.
    - <b> Press MANAGER on the FDCF MAIN MENU to display the FDCF MANAGER MENU.
    - <c> Press SYSTEM INFORMATION on the FDCF MANAGER MENU to display the SYSTEM INFORMATION Sub-menu.
  - <2> Enter the airplane tail number.

**NOTE:** The tail number is lost and needs to be re-entered to re-establish CPDLC if the AIMS L or AIMS R circuit breakers are cycled, the AIMS CPM/COMM module is re-racked, new CMCF AMI software is loaded, or new COMM software is loaded. The tail number must be entered before engine start, since the field is inhibited after engine start.

### ARO ALL

- (d) If there is 28V DC at terminal 2 of C31651, then continue.
- (3) Do this repair of the wiring:
  - (a) In the list below, find the connector number and pin numbers in the left AIMS cabinet (SSM 31-41-10):

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| Left AIMS Cabinet                |                        |                |
|----------------------------------|------------------------|----------------|
|                                  | LRM Connector          | Rear Connector |
| CPM/COMM<br>(M001)               | P1-C<br>pin A15 .....  | D6631<br>pin 1 |
| CPM/ACMF or<br>CPM/STD<br>(M002) | P2-C<br>pin A15 .....  | D6631<br>pin 1 |
| IOM (M003)                       | P3-C<br>pin A15 .....  | D6631<br>pin 1 |
| IOM (M004)                       | P4-C<br>pin A15 .....  | D6631<br>pin 1 |
| IOM (M008)                       | P8-C<br>pin A15 .....  | D6631<br>pin 1 |
| IOM (M009)                       | P9-C<br>pin A15 .....  | D6631<br>pin 1 |
| CPM/GG<br>(M010)                 | P10-C<br>pin A15 ..... | D6631<br>pin 1 |
| CPM/GG<br>(M011)                 | P11-C<br>pin A15 ..... | D6631<br>pin 1 |

- (b) If the fault is in the AIMS cabinet, replace the AIMS cabinet.  
These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 1) Close the P310 Standby Power Management Panel.
- (d) If the fault continues, repair the wiring between the left AIMS rear connector D6631, pin 1 and circuit breaker C31651, terminal 2 (WDM 31-41-11).
- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 1) Close the P310 Standby Power Management Panel.

————— **END OF TASK** —————

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### 854. LRMs in AIMS-R 28V DC Hot Battery Bus Power Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51108, 31-51308, 31-51508, 31-51708, 31-52108, 31-54108, 31-56108, 31-58108.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the applicable LRM in the right AIMS cabinet:
  - (a) CPM/Comm (M001).

These are the tasks:  
Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802,  
Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802.
  - (b) CPM/STD (M002).

These are the tasks:  
Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,  
Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.
  - (c) IOM (M003, M004, M008, or M009).

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (d) CPM/GG (M010, M011).

These are the tasks:  
Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,  
Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
  - (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (f) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P310 Standby Power Management Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31650 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of C31650, then do these steps (WDM 31-41-11):

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- 1) Replace this circuit breaker:

### Standby Power Management Panel, P310

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| J          | 7          | C31650        | AIMS R      |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- a) Close the P310 Standby Power Management Panel.

### ARO 003 POST SB 777-31-0227 AND PRE SB 777-31-0263 AND PRE SB 777-31-0264 AND PRE SB 777-31-0218

- b) Enter the airplane tail number on the System Information page to establish Controller-Pilot Data Link Communications (CPDLC).

<1> Make these selections on the MFD to access the System Information page.

<a> Press COMM on the DSP to display the FDCF MAIN MENU on the MFD.

<b> Press MANAGER on the FDCF MAIN MENU to display the FDCF MANAGER MENU.

<c> Press SYSTEM INFORMATION on the FDCF MANAGER MENU to display the SYSTEM INFORMATION Sub-menu.

<2> Enter the airplane tail number.

NOTE: The tail number is lost and needs to be re-entered to re-establish CPDLC if the AIMS L or AIMS R circuit breakers are cycled, the AIMS CPM/COMM module is re-racked, new CMCf AMI software is loaded, or new COMM software is loaded. The tail number must be entered before engine start, since the field is inhibited after engine start.

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- (d) If there is 28V DC at terminal 2 of C31650, then continue.
- (3) Do this repair of the wiring:
  - (a) In the list below, find the connector number and pin numbers in the right AIMS cabinet (SSM 31-41-10):

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| Right AIMS Cabinet                |                        |                |
|-----------------------------------|------------------------|----------------|
|                                   | LRM Connector          | Rear Connector |
| CPM/COMM<br>(M001)                | P1-C<br>pin A15 .....  | D6731<br>pin 1 |
| CPM/BASIC or<br>CPM/STD<br>(M002) | P2-C<br>pin A15 .....  | D6731<br>pin 1 |
| IOM (M003)                        | P3-C<br>pin A15 .....  | D6731<br>pin 1 |
| IOM (M004)                        | P4-C<br>pin A15 .....  | D6731<br>pin 1 |
| IOM (M008)                        | P8-C<br>pin A15 .....  | D6731<br>pin 1 |
| IOM (M009)                        | P9-C<br>pin A15 .....  | D6731<br>pin 1 |
| CPM/GG<br>(M010)                  | P10-C<br>pin A15 ..... | D6731<br>pin 1 |
| CPM/GG<br>(M011)                  | P11-C<br>pin A15 ..... | D6731<br>pin 1 |

- (b) If the fault is in the AIMS cabinet, replace the AIMS cabinet.  
These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 1) Close the P310 Standby Power Management Panel.
- (d) If the fault continues, repair the wiring between the right AIMS rear connector D6731, pin 1 and circuit breaker C31650, terminal 2 (WDM 31-41-11).
- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 1) Close the P310 Standby Power Management Panel.

————— **END OF TASK** —————

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### 855. LRMs in AIMS-L 28V DC Capt Flt Inst Bus-A Power Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51117, 31-51317, 31-52117, 31-54117.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the applicable LRM in the left AIMS cabinet.
  - (a) CPM/Comm (M001).

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802.
  - (b) CPM/STD (M002).

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.
  - (c) IOM (M003 or M004).

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31609 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of C31609, then do these steps:
    - 1) Replace this circuit breaker, C31609 (WDM 31-41-11):

Replace this circuit breaker:

| Overhead Circuit Breaker Panel, P11 |            |               |             |
|-------------------------------------|------------|---------------|-------------|
| <u>Row</u>                          | <u>Col</u> | <u>Number</u> | <u>Name</u> |
| B                                   | 12         | C31609        | AIMS L-1    |
    - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
      - a) Close the P11 Overhead Circuit Breaker Panel.

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- (d) If there is 28V DC at terminal 2 of C31609, then continue.
- (3) Do this repair of the wiring:
- (a) In the list below, find the connector number and pin numbers in the left AIMS cabinet (SSM 31-41-10):

| Left AIMS Cabinet                |                       |                |
|----------------------------------|-----------------------|----------------|
|                                  | LRM Connector         | Rear Connector |
| CPM/COMM<br>(M001)               | P1-C<br>pin A17 ..... | D6601<br>pin 1 |
| CPM/ACMF or<br>CPM/STD<br>(M002) | P2-C<br>pin A17 ..... | D6601<br>pin 1 |
| IOM (M003)                       | P3-C<br>pin A17 ..... | D6601<br>pin 1 |
| IOM (M004)                       | P4-C<br>pin A17 ..... | D6601<br>pin 1 |

- (b) If the fault is in the AIMS cabinet, replace the AIMS cabinet.
- These are the tasks:
- AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 1) Close the P11 Overhead Circuit Breaker Panel.
- (d) If the fault continues, repair the wiring between the left AIMS rear connector D6601, pin 1 and circuit breaker C31609, terminal 2 (WDM 31-41-11).
- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 1) Close the P11 Overhead Circuit Breaker Panel.

————— **END OF TASK** —————

### 856. LRMs in AIMS-R 28V DC Left Bus-A Power Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51118, 31-51318, 31-52118, 31-54118.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Replace the applicable LRM in the right AIMS cabinet:
  - (a) CPM/Comm (M001).

These are the tasks:  
Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802,  
Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802.
  - (b) CPM/STD(M002).

These are the tasks:  
Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,  
Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.
  - (c) IOM (M003 or M004).

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31610 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of C31610, then do these steps (WDM 31-41-11):
    - 1) Replace this circuit breaker:

| Row | Col | Number | Name     |
|-----|-----|--------|----------|
| F   | 12  | C31610 | AIMS R-1 |
    - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
      - a) Close the P11 Overhead Circuit Breaker Panel.
  - (d) If there is 28V DC at terminal 2 of C31610, then continue.
- (3) Replace the AIMS cabinet.

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 1) Close the P11 Overhead Circuit Breaker Panel.
  - (b) If the fault continues, repair the wiring between the right AIMS rear connector D6701, pin 1 and circuit breaker C31610, terminal 2 (WDM 31-41-11).

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- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 1) Close the P11 Overhead Circuit Breaker Panel.

————— **END OF TASK** —————

### 857. LRMs in AIMS-L 28V DC FO Flt Inst Bus-A Power Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51127, 31-51527, 31-52127, 31-56127.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the applicable LRM in the left AIMS cabinet:
  - (a) CPM/Comm (M001).

These are the tasks:  
Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802,  
Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802.
  - (b) IOM (M003 or M008).

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (c) CPM/GG (M010).

These are the tasks:  
Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,  
Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
  - (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31617 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of C31617, then do these steps (WDM 31-41-11):

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- 1) Replace this circuit breaker:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 14         | C31617        | AIMS L-3    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - a) Close the P11 Overhead Circuit Breaker Panel.
- (d) If there is 28V DC at terminal 2 of C31617, then continue.
- (3) Do this repair of the wiring:
  - (a) In the list below, find the connector number and pin numbers in the left AIMS cabinet (SSM 31-41-10):

### Left AIMS Cabinet

|                            | LRM Connector                 | Rear Connector        |
|----------------------------|-------------------------------|-----------------------|
| <b>CPM/COMM<br/>(M001)</b> | <b>P1-C</b><br>pin A13 .....  | <b>D6630</b><br>pin 1 |
| <b>IOM (M003)</b>          | <b>P3-C</b><br>pin A13 .....  | <b>D6630</b><br>pin 1 |
| <b>IOM (M008)</b>          | <b>P8-C</b><br>pin A13 .....  | <b>D6630</b><br>pin 1 |
| <b>CPM/GG<br/>(M010)</b>   | <b>P10-C</b><br>pin A13 ..... | <b>D6630</b><br>pin 1 |

- (b) If the fault is in the AIMS cabinet, replace the AIMS cabinet.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 1) Close the P11 Overhead Circuit Breaker Panel.
- (d) If the fault continues, repair the wiring between the left AIMS rear connector D6630, pin 1 and circuit breaker C31617, terminal 2 (WDM 31-41-11).
- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 1) Close the P11 Overhead Circuit Breaker Panel.

————— **END OF TASK** —————

### 858. LRMs in AIMS-R 28V DC Right Bus-A Power Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51128, 31-51528, 31-52128, 31-56128.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the applicable LRM in the right AIMS cabinet:
  - (a) CPM/Comm (M001).

These are the tasks:  
Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802,  
Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802.
  - (b) IOM (M003 or M008).

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (c) CPM/GG (M010).

These are the tasks:  
Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,  
Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
  - (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31618 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of C31618, then do these steps (WDM 31-41-11):
    - 1) Replace this circuit breaker:

#### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 14         | C31618        | AIMS R-3    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - a) Close the P11 Overhead Circuit Breaker Panel.
  - (d) If there is 28V DC at terminal 2 of C31618, then continue.
- (3) Do this repair of the wiring:

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- (a) In the list below, find the connector number and pin numbers in the right AIMS cabinet (SSM 31-41-10):

| Right AIMS Cabinet |                        |                |
|--------------------|------------------------|----------------|
|                    | LRM Connector          | Rear Connector |
| CPM/COMM<br>(M001) | P1-C<br>pin A13 .....  | D6730<br>pin 1 |
| IOM (M003)         | P3-C<br>pin A13 .....  | D6730<br>pin 1 |
| IOM (M008)         | P8-C<br>pin A13 .....  | D6730<br>pin 1 |
| CPM/GG<br>(M010)   | P10-C<br>pin A13 ..... | D6730<br>pin 1 |

- (b) If the fault is in the AIMS cabinet, replace the AIMS cabinet.  
These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 1) Close the P11 Overhead Circuit Breaker Panel.
- (d) If the fault continues, repair the wiring between the right AIMS rear connector D6730, pin 1 and circuit breaker C31618, terminal 2 (WDM 31-41-11).
- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 1) Close the P11 Overhead Circuit Breaker Panel.

**————— END OF TASK —————**

**859. LRMs in AIMS-L 28V DC FO Flt Inst Bus-B Power Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51327, 31-51727, 31-54127, 31-58127.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the applicable LRM in the left AIMS cabinet.
- (a) CPM/STD (M002).

These are the tasks:

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Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,  
Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (b) IOM (M004 or M009).

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (c) CPM/GG (M011).

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (e) If the MAT shows ACTIVE for the maintenance message, then continue.

- (2) Do this check for 28V DC at the circuit breaker:

- (a) Open the P11 Overhead Circuit Breaker Panel.

- (b) Do a check for 28V DC between terminal 2 of circuit breaker C31619 and structure ground (WDM 31-41-11).

- (c) If there is not 28V DC at terminal 2 of C31619, then do these steps (WDM 31-41-11):

- 1) Replace this circuit breaker:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 15         | C31619        | AIMS L-4    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- a) Close the P11 Overhead Circuit Breaker Panel.

- (d) If there is 28V DC at terminal 2 of C31619 then continue.

- (3) Replace the AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- 1) Close the P11 Overhead Circuit Breaker Panel.

- (b) If the fault continues, repair the wiring between the left AIMS rear connector D6630, pin 3 and circuit breaker C31619, terminal 2 (WDM 31-41-11).

- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- 1) Close the P11 Overhead Circuit Breaker Panel.

————— **END OF TASK** —————

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### 860. LRMs in AIMS-R 28V DC Right Bus-B Power Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51328, 31-51728, 31-54128, 31-58128.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the applicable LRM in the right AIMS cabinet:
  - (a) CPM/STD(M002).

These are the tasks:  
Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,  
Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.
  - (b) IOM (M004 or M009).

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (c) CPM/GG (M011).

These are the tasks:  
Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,  
Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
  - (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31620 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of C31620, then do these steps:
    - 1) Replace this circuit breaker:

#### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 15         | C31620        | AIMS R-4    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - a) Close the P11 Overhead Circuit Breaker Panel.
- 3) If there is 28V DC at terminal 2 of C31620, then continue.

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- (3) Replace the AIMS cabinet.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 1) Close the P11 Overhead Circuit Breaker Panel.
- (b) If the fault continues, repair the wiring between the right AIMS rear connector D6730, pin 3 and circuit breaker C31620, terminal 2 (WDM 31-41-11).
- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 1) Close the P11 Overhead Circuit Breaker Panel.

————— END OF TASK —————

### 861. LRMs in AIMS-L 28V DC Capt Flt Inst Bus-B Power Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51517, 31-51717, 31-56117, 31-58117.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the applicable LRM in the left AIMS cabinet.
- (a) IOM (M008, M009).
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (b) CPM/GG (M010, M011).
- These are the tasks:
- Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,  
Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check for 28V DC at the circuit breaker:
- (a) Open the P11 Overhead Circuit Breaker Panel.
- (b) Do a check for 28V DC between terminal 2 of circuit breaker C31611 and structure ground (WDM 31-41-11).
- (c) If there is not 28V DC at terminal 2 of C31611, then do these steps:

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- 1) Replace this circuit breaker:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 13         | C31611        | AIMS L-2    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - a) Close the P11 Overhead Circuit Breaker Panel.
- (d) If there is 28V DC at terminal 2 of C31611, then continue.
- (3) Do this repair of the wiring:
  - (a) In the list below, find the connector number and pin numbers in the left AIMS cabinet (SSM 31-41-10):

### Left AIMS Cabinet

|                  | LRM Connector          | Rear Connector |
|------------------|------------------------|----------------|
| IOM (M002)       | P8-C<br>pin A17 .....  | D6601<br>pin 3 |
| IOM (M004)       | P9-C<br>pin A17 .....  | D6601<br>pin 3 |
| CPM/GG<br>(M009) | P10-C<br>pin A17 ..... | D6601<br>pin 3 |
| CPM/GG<br>(M011) | P11-C<br>pin A17 ..... | D6601<br>pin 3 |

- (b) If the fault is in the AIMS cabinet, replace the AIMS cabinet.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 1) Close the P11 Overhead Circuit Breaker Panel.
- (d) If the fault continues, repair the wiring between the left AIMS rear connector D6601, pin 3 and circuit breaker C31611, terminal 2 (WDM 31-41-11).
- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 1) Close the P11 Overhead Circuit Breaker Panel.

————— **END OF TASK** —————

## 862. LRMs in AIMS-R 28V DC Left Bus-B Power Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51518, 31-51718, 31-56118, 31-58118.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the applicable LRM in the right AIMS cabinet:
  - (a) IOM (M008, or M009).

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (b) CPM/GG (M010, M011).

These are the tasks:  
Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,  
Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31612 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of C31612, then do these steps:
    - 1) Replace this circuit breaker:

| Overhead Circuit Breaker Panel, P11 |            |               |             |
|-------------------------------------|------------|---------------|-------------|
| <u>Row</u>                          | <u>Col</u> | <u>Number</u> | <u>Name</u> |
| F                                   | 13         | C31612        | AIMS R-2    |
    - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
      - a) Close the P11 Overhead Circuit Breaker Panel.
    - 3) If there is 28V DC at terminal 2 of C31612, then continue.
- (3) Do this repair of the wiring:
  - (a) In the list below, find the connector number and pin numbers in the right AIMS cabinet (SSM 31-41-10):



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### Right AIMS Cabinet

|                  | LRM Connector          | Rear Connector |
|------------------|------------------------|----------------|
| IOM (M008)       | P8-C<br>pin A13 .....  | D6701<br>pin 3 |
| IOM (M009)       | P9-C<br>pin A17 .....  | D6701<br>pin 3 |
| CPM/GG<br>(M010) | P10-C<br>pin A17 ..... | D6701<br>pin 3 |
| CPM/GG<br>(M011) | P11-C<br>pin A17 ..... | D6701<br>pin 3 |

- (b) If the fault is in the AIMS cabinet, replace the AIMS cabinet.  
These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 1) Close the P11 Overhead Circuit Breaker Panel.
- (d) If the fault continues, repair the wiring between the right AIMS rear connector D6701, pin 3 and circuit breaker C31612, terminal 2 (WDM 31-41-11).
- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 1) Close the P11 Overhead Circuit Breaker Panel.

### END OF TASK

## 863. CPM/Comm(M001) In AIMS-L Internal Latched Fault - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51013.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do these steps:
- (a) Make these selections on the MAT to make sure the right CMCF is in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL.

NOTE: You must reset the CPM/Comm from the off-side CMCF.

- 1) If the display shows that the left CMCF is in control, select SWITCH TO RIGHT.
- 2) If the display shows that the right CMCF is in control, then select GO BACK.

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- (b) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, CPM/Comm(M001) in Left AIMS Module Reset.

NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.

- 1) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- 2) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Remove and re-install the CPM/Comm(M001) in the left AIMS cabinet. These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) Replace the CPM/Comm(M001) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

## 864. CPM/Comm(M001) In AIMS-R Internal Latched Fault - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51014.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do these steps:
  - (a) Make these selections on the MAT to make sure the left CMCF is in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL.  
NOTE: You must reset the CPM/Comm from the off-side CMCF.
    - 1) If the display shows that the right CMCF is in control, select SWITCH TO LEFT.
    - 2) If the display shows that the left CMCF is in control, then select GO BACK.
  - (b) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm(M001) in Right AIMS Module Reset.

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- 1) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
- 2) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Remove and re-install the CPM/Comm(M001) in the right AIMS cabinet. These are the tasks:  
Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,  
Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) Replace the CPM/Comm(M001) in the right AIMS cabinet.  
These are the tasks:  
Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,  
Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 865. CPM/ACMF(M002) or CPM/STD(M002) In AIMS-L Internal Latched Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51023.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/ACMF(M002) or CPM/STD(M002) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Remove and re-install the CPM/STD(M002) in the left AIMS cabinet.  
These are the tasks:  
Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,  
Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) Replace the CPM/STD(M002) in the left AIMS cabinet.
- These are the tasks:
- Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,  
Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 866. CPM/Basic(M002) OR CPM/ACMF(M002) OR CPM/STD(M002) In AIMS-R Internal Latched Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51024.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Basic(M002) or CPM/ACMF(M002) or CPM/STD (M002) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Remove and re-install the CPM/STD(M002) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,  
Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) Replace the CPM/STD(M002) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,  
Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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### 867. Left AIMS CPM/GG(M010) Module Internal Latched Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51031.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M010) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the CPM/GG(M010) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 868. Right AIMS CPM/GG(M010) Module Internal Latched Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51032.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M010) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the CPM/GG(M010) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

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- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 869. CPM/GG(M010) In AIMS-L Internal Latched Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51033.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M010) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Remove and re-install the CPM/GG(M010) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) Replace the CPM/GG(M010) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 870. CPM/GG(M010) In AIMS-R Internal Latched Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51034.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M010) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Remove and re-install the CPM/GG(M010) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) Replace the CPM/GG(M010) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 871. CPM/GG(M011) In AIMS-L Internal Latched Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51043.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M011) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Remove and re-install the CPM/GG(M011) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) Replace the CPM/GG(M011) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 872. CPM/GG(M011) In AIMS-R Internal Latched Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-51044.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M011) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Remove and re-install the CPM/GG(M011) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) Replace the CPM/GG(M011) in the right AIMS cabinet.  
These are the tasks:  
Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,  
Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 873. Left AIMS IOM(M003) Module Internal Latched Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-52011.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 874. Right AIMS IOM(M003) Module Internal Latched Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-52012.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.

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- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 875. Left AIMS IOM(M004) Module Internal Latched Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-54011.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the IOM(M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 876. Right AIMS IOM(M004) Module Internal Latched Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-54012.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.

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- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 877. Left AIMS IOM(M008) Module Internal Latched Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-56011.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 878. Right AIMS IOM(M008) Module Internal Latched Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-56012.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.

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- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 879. Left AIMS IOM(M009) Module Internal Latched Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-58011.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 880. Right AIMS IOM(M009) Module Internal Latched Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-58012.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.

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- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

## 882. AIMS Internal Fault - Fault Isolation

### A. Fault Isolation Procedure

- (1) For each LRM in the applicable AIMS cabinet, do these steps until you find the LRM that has a fault:

- (a) Do the ground test on the MAT for the applicable LRM:

- 1) 31-AIMS - Left AIMS, System Test

- a) CPM/Comm(M001) in Left AIMS
- b) CPM/STD (M002) in Left AIMS
- c) IOM(M003) in Left AIMS
- d) IOM(M004) in Left AIMS
- e) IOM(M008) in Left AIMS
- f) IOM(M009) in Left AIMS
- g) CPM/GG(M010) in Left AIMS
- h) CPM/GG(M011) in Left AIMS

- 2) 31-AIMS - Right AIMS, System Test

- a) CPM/Comm(M001) in Right AIMS
- b) CPM/STD (M002) in Right AIMS
- c) IOM(M003) in Right AIMS
- d) IOM(M004) in Right AIMS
- e) IOM(M008) in Right AIMS
- f) IOM(M009) in Right AIMS
- g) CPM/GG(M010) in Right AIMS
- h) CPM/GG(M011) in Right AIMS

- (b) If PASSED shows adjacent to TEST CONDITION on the MAT, then do the ground test for the next module.

- (c) If FAILED shows adjacent to TEST CONDITION on the MAT, then do these steps:

- 1) Replace the applicable LRM in the AIMS cabinet:

- a) IOM.

These are the tasks:

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Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

b) CPM/Comm.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

c) CPM/GG.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

d) CPM/STD.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- 2) If the MAT dialog box for AIMS Internal Fault does not show on the MAT, then you corrected the fault.

————— END OF TASK —————

### 883. Right AIMS CPM/Basic or CPM/ACMF or CPM/STD Internal Problems - Fault Isolation

#### A. Fault Isolation Procedure

- (1) Replace the CPM/STD (M002) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/STD (M002) in Right AIMS Module Reset.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

### 884. AIMS-L 28V DC (C31609) Left Capt Flt Inst Bus Power Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50417.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31609 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of C31609, then do these steps:
    - 1) Replace this circuit breaker:

#### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
      - a) Close the P11 Overhead Circuit Breaker Panel.
    - (d) If there is 28V DC at terminal 2 of C31609, then continue.
  - (2) Do this check for 28V DC at the circuit breaker:
    - (a) Do a check for 28V DC between terminal 2 of circuit breaker C31611 and structure ground (WDM 31-41-11).
    - (b) If there is not 28V DC at terminal 2 of C31611, then do these steps:
      - 1) Replace this circuit breaker:

#### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 13         | C31611        | AIMS L-2    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
      - a) Close the P11 Overhead Circuit Breaker Panel.
    - (c) If there is 28V DC at terminal 2 of C31611, then continue.
  - (3) Do this check of the wiring:
    - (a) Open these circuit breakers and install safety tags:

#### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |

- (b) Check the wiring between the AIMS rear Connector D6601 pin 1 and circuit breaker C31609, terminal 2 (WDM 31-41-11).
      - (c) Check the wiring between the AIMS rear Connector D6601 pin 3 and circuit breaker C31611, terminal 2 (WDM 31-41-11).
      - (d) If you find a problem with the wiring, then do these steps:
        - 1) Repair the wiring.

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- 2) Close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |

- 3) Close the P11 Overhead Circuit Breaker Panel.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If you do not find a problem with the wiring, then continue.
- (4) Replace the AIMS cabinet.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- 1) Close the P11 Overhead Circuit Breaker Panel.

### — END OF TASK —

## 885. AIMS-R 28V DC (C31610) Bus Power Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50418.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31610 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of C31610, then do these steps:
    - 1) Replace this circuit breaker:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - a) Close the P11 Overhead Circuit Breaker Panel.
- (d) If there is 28V DC at terminal 2 of C31610, then continue.
- (2) Do this check for 28V DC at the circuit breaker:

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- (a) Do a check for 28V DC between terminal 2 of circuit breaker C31612 and structure ground (WDM 31-41-11).
- (b) If there is not 28V DC at terminal 2 of C31612, then do these steps:
  - 1) Replace this circuit breaker:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 13         | C31612        | AIMS R-2    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - a) Close the P11 Overhead Circuit Breaker Panel.
  - (c) If there is 28V DC at terminal 2 of C31612, then continue.
- (3) Do this check of the wiring:
  - (a) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |

- (b) Check the wiring between the AIMS rear Connector D6701 pin 1 and circuit breaker C31610, terminal 2 (WDM 31-41-11).
  - (c) Check the wiring between the AIMS rear Connector D6701 pin 3 and circuit breaker C31612, terminal 2 (WDM 31-41-11).
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |

- 3) Close the P11 Overhead Circuit Breaker Panel.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If you do not find a problem with the wiring, then continue.
- (4) Replace the AIMS cabinet.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 1) Close the P11 Overhead Circuit Breaker Panel.

————— END OF TASK —————

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### 886. AIMS-L 28V DC (C31617) Bus Power Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50427.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31617 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of C31617, then do these steps:

- 1) Replace this circuit breaker:

##### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 14         | C31617        | AIMS L-3    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - a) Close the P11 Overhead Circuit Breaker Panel.
  - (d) If there is 28V DC at terminal 2 of C31617, then continue.
- (2) Do this check for 28V DC at the circuit breaker:
  - (a) Do a check for 28V DC between terminal 2 of circuit breaker C31619 and structure ground (WDM 31-41-11).
  - (b) If there is not 28V DC at terminal 2 of C31619, then do these steps:
    - 1) Replace this circuit breaker:

##### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 15         | C31619        | AIMS L-4    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - a) Close the P11 Overhead Circuit Breaker Panel.
  - (c) If there is 28V DC at terminal 2 of C31619, then continue.
- (3) Do this check of the wiring:
  - (a) Open these circuit breakers and install safety tags:

##### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

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- (b) Check the wiring between the AIMS rear Connector D6630 pin 1 and circuit breaker C31617, terminal 2 (WDM 31-41-11).
- (c) Check the wiring between the AIMS rear Connector D6630 pin 3 and circuit breaker C31619, terminal 2 (WDM 31-41-11).
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- 3) Close the P11 Overhead Circuit Breaker Panel.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (4) Replace the AIMS cabinet.

These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 1) Close the P11 Overhead Circuit Breaker Panel.

————— **END OF TASK** —————

## 887. AIMS-R 28V DC (C31618) Bus Power Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50428.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31618 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of C31618, then do these steps:

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- 1) Replace this circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 14         | C31618        | AIMS R-3    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - a) Close the P11 Overhead Circuit Breaker Panel.
- (d) If there is 28V DC at terminal 2 of C31618, then continue.
- (2) Do this check for 28V DC at the circuit breaker:
  - (a) Do a check for 28V DC between terminal 2 of circuit breaker C31620 and structure ground (WDM 31-41-11).
  - (b) If there is not 28V DC at terminal 2 of C31620, then do these steps:
    - 1) Replace this circuit breaker:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 15         | C31620        | AIMS R-4    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - a) Close the P11 Overhead Circuit Breaker Panel.
- (c) If there is 28V DC at terminal 2 of C31620, then continue.
- (3) Do this check of the wiring:
  - (a) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- (b) Check the wiring between the AIMS rear Connector D6730 pin 1 and circuit breaker C31618, terminal 2 (WDM 31-41-11).
- (c) Check the wiring between the AIMS rear Connector D6730 pin 3 and circuit breaker C31620, terminal 2 (WDM 31-41-11).
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- 3) Close the P11 Overhead Circuit Breaker Panel.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (e) If you do not find a problem with the wiring, then continue.
- (4) Replace the AIMS cabinet.  
These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 1) Close the P11 Overhead Circuit Breaker Panel.

### — END OF TASK —

#### 888. AIMS-L 28V DC (C31611) Bus Power Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50437.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31611 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of C31611, then do these steps:
    - 1) Replace this circuit breaker:

##### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 13         | C31611        | AIMS L-2    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
      - a) Close the P11 Overhead Circuit Breaker Panel.
    - (d) If there is 28V DC at terminal 2 of C31611, then continue.
  - (2) Do this check for 28V DC at the circuit breaker:
    - (a) Do a check for 28V DC between terminal 2 of circuit breaker C31609 and structure ground (WDM 31-41-11).
    - (b) If there is not 28V DC at terminal 2 of C31609, then do these steps:
      - 1) Replace this circuit breaker:

##### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |

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- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - a) Close the P11 Overhead Circuit Breaker Panel.
- (c) If there is 28V DC at terminal 2 of C31609, then continue.
- (3) Do this check of the wiring:
  - (a) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |

- (b) Check the wiring between the AIMS rear Connector D6601 pin 1 and circuit breaker C31609, terminal 2 (WDM 31-41-11).
  - (c) Check the wiring between the AIMS rear Connector D6601 pin 3 and circuit breaker C31611, terminal 2 (WDM 31-41-11).
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Close these circuit breakers:
- ### Overhead Circuit Breaker Panel, P11
- | <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
- 3) Close the P11 Overhead Circuit Breaker Panel.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If you do not find a problem with the wiring, then continue.
  - (4) Replace the AIMS cabinet.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

    - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
      - 1) Close the P11 Overhead Circuit Breaker Panel.

————— **END OF TASK** —————

## 889. AIMS-R 28V DC (C31612) Bus Power Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50438.

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## 31-44 TASKS 888-889

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31612 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of C31612, then do these steps:

- 1) Replace this circuit breaker:

#### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 13         | C31612        | AIMS R-2    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - a) Close the P11 Overhead Circuit Breaker Panel.

- (d) If there is 28V DC at terminal 2 of C31612, then continue.

- (2) Do this check for 28V DC at the circuit breaker:
  - (a) Do a check for 28V DC between terminal 2 of circuit breaker C31610 and structure ground (WDM 31-41-11).
  - (b) If there is not 28V DC at terminal 2 of C31610, then do these steps:
    - 1) Replace this circuit breaker:

#### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - a) Close the P11 Overhead Circuit Breaker Panel.

- (c) If there is 28V DC at terminal 2 of C31610, then continue.

- (3) Do this check of the wiring:
  - (a) Open these circuit breakers and install safety tags:

#### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |

- (b) Check the wiring between the AIMS rear Connector D6701 pin 1 and circuit breaker C31610, terminal 2 (WDM 31-41-11).

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- (c) Check the wiring between the AIMS rear Connector D6701 pin 3 and circuit breaker C31612, terminal 2 (WDM 31-41-11).
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |

- 3) Close the P11 Overhead Circuit Breaker Panel.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (4) Replace the AIMS cabinet.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 1) Close the P11 Overhead Circuit Breaker Panel.

### — END OF TASK —

## 890. AIMS-L 28V DC (C31619) Bus Power Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50447.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31619 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of C31619, then do these steps:
    - 1) Replace this circuit breaker:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 15         | C31619        | AIMS L-4    |

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- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - a) Close the P11 Overhead Circuit Breaker Panel.
- (d) If there is 28V DC at terminal 2 of C31619, then continue.
- (2) Do this check for 28V DC at the circuit breaker:
  - (a) Do a check for 28V DC between terminal 2 of circuit breaker C31617 and structure ground (WDM 31-41-11).
  - (b) If there is not 28V DC at terminal 2 of C31617, then do these steps:
    - 1) Replace this circuit breaker:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 14         | C31617        | AIMS L-3    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - a) Close the P11 Overhead Circuit Breaker Panel.
- (c) If there is 28V DC at terminal 2 of C31617, then continue.
- (3) Do this check of the wiring:
  - (a) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- (b) Check the wiring between the AIMS rear Connector D6630 pin 1 and circuit breaker C31617, terminal 2 (WDM 31-41-11).
- (c) Check the wiring between the AIMS rear Connector D6630 pin 3 and circuit breaker C31619, terminal 2 (WDM 31-41-11).
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- 3) Close the P11 Overhead Circuit Breaker Panel.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (4) Replace the AIMS cabinet.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

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AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 1) Close the P11 Overhead Circuit Breaker Panel.

————— **END OF TASK** —————

### 891. **AIMS-R 28V DC (C31620) Bus Power Problems - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-50448.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Do this check for 28V DC at the circuit breaker:
  - (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31620 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of C31620, then do these steps:
    - 1) Replace this circuit breaker, C31620 (WDM 31-41-11):

Replace this circuit breaker:

##### **Overhead Circuit Breaker Panel, P11**

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 15         | C31620        | AIMS R-4    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
      - a) Close the P11 Overhead Circuit Breaker Panel.
    - (d) If there is 28V DC at terminal 2 of C31620, then continue.
  - (2) Do this check for 28V DC at the circuit breaker:
    - (a) Do a check for 28V DC between terminal 2 of circuit breaker C31618 and structure ground (WDM 31-41-11).
    - (b) If there is not 28V DC at terminal 2 of C31618, then do these steps:
      - 1) Replace this circuit breaker:

##### **Overhead Circuit Breaker Panel, P11**

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 14         | C31618        | AIMS R-3    |

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
      - a) Close the P11 Overhead Circuit Breaker Panel.
    - (c) If there is 28V DC at terminal 2 of C31618, then continue.

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(3) Do this check of the wiring:

(a) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

(b) Check the wiring between the AIMS rear Connector D6730 pin 1 and circuit breaker C31618, terminal 2 (WDM 31-41-11).

(c) Check the wiring between the AIMS rear Connector D6730 pin 3 and circuit breaker C31620, terminal 2 (WDM 31-41-11).

(d) If you find a problem with the wiring, then do these steps:

1) Repair the wiring.

2) Close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

3) Close the P11 Overhead Circuit Breaker Panel.

4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

(e) If you do not find a problem with the wiring, then continue.

(4) Replace the AIMS cabinet.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

(a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

1) Close the P11 Overhead Circuit Breaker Panel.

————— **END OF TASK** —————

## 892. Left AIMS CPM/STD(M002) Module Internal Hardware Power Problems - Fault Isolation

### A. Maintenance Messages

(1) This task is for maintenance message: 31-52025.

### B. Fault Isolation Procedure

(1) Replace the CPM/STD(M002) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

(a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

(b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (2) Do this check for 28V DC at these circuit breakers:
- (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31609, C31611, C31617, C31619 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of applicable circuit breaker, then do these steps:
    - 1) Replace the faulty circuit breaker. (WDM 31-41-11)
    - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
      - a) Close the P11 Overhead Circuit Breaker Panel.
  - (d) If there is 28V DC at terminal 2 of the applicable circuit breaker, then continue.
- (3) Do this check of the wiring:
- (a) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- (b) Check the wiring between the AIMS rear Connector D6601 pin 1 and circuit breaker C31609, terminal 2 (WDM 31-41-11).
- (c) Check the wiring between the AIMS rear Connector D6630 pin 1 and circuit breaker C31617, terminal 2 (WDM 31-41-11).
- (d) Check the wiring between the AIMS rear Connector D6630 pin 3 and circuit breaker C31619, terminal 2 (WDM 31-41-11).
- (e) Check the wiring between the AIMS rear Connector D6601 pin 3 and circuit breaker C31611, terminal 2 (WDM 31-41-11).
- (f) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- 3) Close the P11 Overhead Circuit Breaker Panel.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (g) If you do not find a problem with the wiring, then continue.
- (4) Replace the AIMS cabinet.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

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AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 1) Close the P11 Overhead Circuit Breaker Panel.

————— **END OF TASK** —————

### 893. Right AIMS CPM/STD(M002) Module Internal Hardware Power Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-52026.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/STD(M002) in the right AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check for 28V DC at these circuit breakers:
  - (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31610, C31612, C31618, C31620 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of applicable circuit breaker, then do these steps:
    - 1) Replace the faulty circuit breaker. (WDM 31-41-11)
    - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
      - a) Close the P11 Overhead Circuit Breaker Panel.
  - (d) If there is 28V DC at terminal 2 of the applicable circuit breaker, then continue.
- (3) Do this check of the wiring:
  - (a) Open these circuit breakers and install safety tags:

#### **Overhead Circuit Breaker Panel, P11**

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- (b) Check the wiring between the AIMS rear Connector D6701 pin 1 and circuit breaker C31610, terminal 2 (WDM 31-41-11).
- (c) Check the wiring between the AIMS rear Connector D6701 pin 3 and circuit breaker C31612, terminal 2 (WDM 31-41-11).
- (d) Check the wiring between the AIMS rear Connector D6730 pin 1 and circuit breaker C31618, terminal 2 (WDM 31-41-11).

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- (e) Check the wiring between the AIMS rear Connector D6730 pin 3 and circuit breaker C31620, terminal 2 (WDM 31-41-11).
- (f) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- 3) Close the P11 Overhead Circuit Breaker Panel.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (g) If you do not find a problem with the wiring, then continue.
- (4) Replace the AIMS cabinet.  
These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 1) Close the P11 Overhead Circuit Breaker Panel.

————— **END OF TASK** —————

### 894. Left AIMS PCM(M450) Module Internal Power Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-54025.

#### B. Fault Isolation Procedure

- (1) Replace the PCM(M450) in the left AIMS cabinet.

These are the tasks:

Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,

Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check for 28V DC at these circuit breakers:
  - (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31609, C31611, C31617, C31619 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of applicable circuit breaker, then do these steps:
    - 1) Replace the faulty circuit breaker. (WDM 31-41-11)
    - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
      - a) Close the P11 Overhead Circuit Breaker Panel.
  - (d) If there is 28V DC at terminal 2 of the applicable circuit breaker, then continue.
- (4) Do this check of the wiring:
  - (a) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- (b) Check the wiring between the AIMS rear Connector D6601 pin 1 and circuit breaker C31609, terminal 2 (WDM 31-41-11).
- (c) Check the wiring between the AIMS rear Connector D6601 pin 3 and circuit breaker C31611, terminal 2 (WDM 31-41-11).
- (d) Check the wiring between the AIMS rear Connector D6630 pin 1 and circuit breaker C31617, terminal 2 (WDM 31-41-11).
- (e) Check the wiring between the AIMS rear Connector D6630 pin 3 and circuit breaker C31619, terminal 2 (WDM 31-41-11).
- (f) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- 3) Close the P11 Overhead Circuit Breaker Panel.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (g) If you do not find a problem with the wiring, then continue.
- (5) Replace the left AIMS cabinet.

These are the tasks:

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AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- 1) Close the P11 Overhead Circuit Breaker Panel.

————— **END OF TASK** —————

### 895. Right AIMS IOM(M004) Module Internal Power Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-54026.

#### **B. Fault Isolation Procedure**

- (1) Replace the PCM(M450) in the right AIMS cabinet.

These are the tasks:

Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,

Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (2) Replace the IOM(M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (3) Do this check for 28V DC at these circuit breakers:

- (a) Open the P11 Overhead Circuit Breaker Panel.

- (b) Do a check for 28V DC between terminal 2 of circuit breaker C31610, C31612, C31618, C31620 and structure ground (WDM 31-41-11).

- (c) If there is not 28V DC at terminal 2 of applicable circuit breaker, then do these steps:

- 1) Replace the faulty circuit breaker. (WDM 31-41-11)

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- a) Close the P11 Overhead Circuit Breaker Panel.

- (d) If there is 28V DC at terminal 2 of the applicable circuit breaker, then continue.

- (4) Do this check of the wiring:

- (a) Open these circuit breakers and install safety tags:

#### **Overhead Circuit Breaker Panel, P11**

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |

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### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- (b) Check the wiring between the AIMS rear Connector D6701 pin 1 and circuit breaker C31610, terminal 2 (WDM 31-41-11).
- (c) Check the wiring between the AIMS rear Connector D6701 pin 3 and circuit breaker C31612, terminal 2 (WDM 31-41-11).
- (d) Check the wiring between the AIMS rear Connector D6730 pin 1 and circuit breaker C31618, terminal 2 (WDM 31-41-11).
- (e) Check the wiring between the AIMS rear Connector D6730 pin 3 and circuit breaker C31620, terminal 2 (WDM 31-41-11).
- (f) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- 3) Close the P11 Overhead Circuit Breaker Panel.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (g) If you do not find a problem with the wiring, then continue.
- (5) Replace the right AIMS cabinet.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 1) Close the P11 Overhead Circuit Breaker Panel.

————— **END OF TASK** —————

### 896. Left AIMS CPM/GG(M010) Module Internal Power Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-56025.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/GG(M010) in the left AIMS cabinet.

These are the tasks:

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Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check for 28V DC at these circuit breakers:
  - (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31609, C31611, C31617, C31619 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of applicable circuit breaker, then do these steps:
    - 1) Replace the faulty circuit breaker. (WDM 31-41-11)
    - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
      - a) Close the P11 Overhead Circuit Breaker Panel.
  - (d) If there is 28V DC at terminal 2 of the applicable circuit breaker, then continue.
- (3) Do this check of the wiring:
  - (a) Open these circuit breakers and install safety tags:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

- (b) Check the wiring between the AIMS rear Connector D6601 pin 1 and circuit breaker C31609, terminal 2 (WDM 31-41-11).
- (c) Check the wiring between the AIMS rear Connector D6601 pin 3 and circuit breaker C31611, terminal 2 (WDM 31-41-11).
- (d) Check the wiring between the AIMS rear Connector D6630 pin 1 and circuit breaker C31617, terminal 2 (WDM 31-41-11).
- (e) Check the wiring between the AIMS rear Connector D6630 pin 3 and circuit breaker C31619, terminal 2 (WDM 31-41-11).
- (f) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |

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- 3) Close the P11 Overhead Circuit Breaker Panel.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (g) If you do not find a problem with the wiring, then continue.
- (4) Replace the left AIMS cabinet.  
These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 1) Close the P11 Overhead Circuit Breaker Panel.

### END OF TASK

#### 897. Right AIMS CPM/GG(M010) Module Internal Power Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-56026.

##### B. Fault Isolation Procedure

- (1) Replace the CPM/GG(M010) in the right AIMS cabinet.  
These are the tasks:  
Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,  
Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check for 28V DC at these circuit breakers:
  - (a) Open the P11 Overhead Circuit Breaker Panel.
  - (b) Do a check for 28V DC between terminal 2 of circuit breaker C31610, C31612, C31618, C31620 and structure ground (WDM 31-41-11).
  - (c) If there is not 28V DC at terminal 2 of applicable circuit breaker, then do these steps:
    - 1) Replace the faulty circuit breaker. (WDM 31-41-11)
    - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - a) Close the P11 Overhead Circuit Breaker Panel.
  - (d) If there is 28V DC at terminal 2 of the applicable circuit breaker, then continue.
- (3) Do this check of the wiring:
  - (a) Open these circuit breakers and install safety tags:

##### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |

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### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- (b) Check the wiring between the AIMS rear Connector D6701 pin 1 and circuit breaker C31610, terminal 2 (WDM 31-41-11).
- (c) Check the wiring between the AIMS rear Connector D6701 pin 3 and circuit breaker C31612, terminal 2 (WDM 31-41-11).
- (d) Check the wiring between the AIMS rear Connector D6730 pin 1 and circuit breaker C31618, terminal 2 (WDM 31-41-11).
- (e) Check the wiring between the AIMS rear Connector D6730 pin 3 and circuit breaker C31620, terminal 2 (WDM 31-41-11).
- (f) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Close these circuit breakers:

### Overhead Circuit Breaker Panel, P11

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- 3) Close the P11 Overhead Circuit Breaker Panel.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (g) If you do not find a problem with the wiring, then continue.
- (4) Replace the right AIMS cabinet.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 1) Close the P11 Overhead Circuit Breaker Panel.

————— **END OF TASK** —————

## 898. Left AIMS CPM/COMM (M001) Module Internal Power Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50539.

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### B. Initial Evaluation

- (1) If the MAT shows NOT ACTIVE for the maintenance message (or the maintenance message does not show), then there was an intermittent fault.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

### C. Fault Isolation Procedure

- (1) Replace the CPM/COMM (M001) in the left AIMS cabinet. These are the tasks:  
Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802,  
Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Power Conditioning Module (PCM), M210, in the left AIMS cabinet. These are the tasks:  
Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,  
Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PCM (M450) in the left AIMS cabinet. These are the tasks:  
Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,  
Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left AIMS cabinet. These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 899. Right AIMS CPM/COMM (M001) Module Internal Power Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50540.

#### B. Initial Evaluation

- (1) If the MAT shows NOT ACTIVE for the maintenance message (or the maintenance message does not show), then there was an intermittent fault.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

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### C. Fault Isolation Procedure

- (1) Replace the CPM/COMM (M001) in the right AIMS cabinet. These are the tasks:  
Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802,  
Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Power Conditioning Module (PCM), M210, in the right AIMS cabinet. These are the tasks:  
Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,  
Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PCM (M450) in the right AIMS cabinet. These are the tasks:  
Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,  
Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the right AIMS cabinet. These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 900. Left AIMS CPM/GG (M011) Module Internal Power Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50541.

#### B. Initial Evaluation

- (1) If the MAT shows NOT ACTIVE for the maintenance message (or the maintenance message does not show), then there was an intermittent fault.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

#### C. Fault Isolation Procedure

- (1) Replace the CPM/GG (M011) in the left AIMS cabinet. These are the tasks:  
Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

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Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Power Conditioning Module (PCM), M210, in the left AIMS cabinet. These are the tasks:  
Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,  
Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PCM (M450) in the left AIMS cabinet. These are the tasks:  
Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,  
Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left AIMS cabinet. These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

## 901. Right AIMS CPM/GG (M011) Module Internal Power Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50542.

### B. Initial Evaluation

- (1) If the MAT shows NOT ACTIVE for the maintenance message (or the maintenance message does not show), then there was an intermittent fault.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

### C. Fault Isolation Procedure

- (1) Replace the CPM/GG (M011) in the right AIMS cabinet. These are the tasks:  
Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,  
Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (2) Replace the Power Conditioning Module (PCM), M210, in the right AIMS cabinet. These are the tasks:  
Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,  
Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PCM (M450) in the right AIMS cabinet. These are the tasks:  
Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,  
Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the right AIMS cabinet. These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

## 902. Left AIMS IOM (M008) Module Internal Power Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-50543.

### B. Initial Evaluation

- (1) If the MAT shows NOT ACTIVE for the maintenance message (or the maintenance message does not show), then there was an intermittent fault.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

### C. Fault Isolation Procedure

- (1) Replace the IOM (M008) in the left AIMS cabinet. These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Power Conditioning Module (PCM), M210, in the left AIMS cabinet. These are the tasks:  
Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,  
Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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## 31-44 TASKS 901-902

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- (3) Replace the PCM (M450) in the left AIMS cabinet. These are the tasks:  
Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801, Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left AIMS cabinet. These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 903. Right AIMS IOM (M008) Module Internal Power Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-50544.

#### **B. Initial Evaluation**

- (1) If the MAT shows NOT ACTIVE for the maintenance message (or the maintenance message does not show), then there was an intermittent fault.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM (M008) in the right AIMS cabinet. These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Power Conditioning Module (PCM), M210, in the right AIMS cabinet. These are the tasks:  
Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,  
Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PCM (M450) in the right AIMS cabinet. These are the tasks:  
Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,  
Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the right AIMS cabinet. These are the tasks:

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## 31-44 TASKS 902-903

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AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AMM TASK 31-41-21-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 904. Left AIMS IOM (M003) Module Internal Power Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-52017.

#### B. Initial Evaluation

- (1) If the MAT shows NOT ACTIVE for the maintenance message (or the maintenance message does not show), then there was an intermittent fault.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

#### C. Fault Isolation Procedure

- (1) Replace the IOM (M003) in the left AIMS cabinet. These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Power Conditioning Module (PCM), M210, in the left AIMS cabinet. These are the tasks:  
Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,  
Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PCM (M450) in the left AIMS cabinet. These are the tasks:  
Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,  
Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left AIMS cabinet. These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AMM TASK 31-41-21-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

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## 31-44 TASKS 903-904

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### 905. Right AIMS IOM (M003) Module Internal Power Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-52018.

#### B. Initial Evaluation

- (1) If the MAT shows NOT ACTIVE for the maintenance message (or the maintenance message does not show), then there was an intermittent fault.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

#### C. Fault Isolation Procedure

- (1) Replace the IOM (M003) in the right AIMS cabinet. These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Power Conditioning Module (PCM), M210, in the right AIMS cabinet. These are the tasks:  
Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,  
Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PCM (M450) in the right AIMS cabinet. These are the tasks:  
Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,  
Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the right AIMS cabinet. These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 906. Left AIMS IOM (M009) Module Internal Power Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-58017.

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## 31-44 TASKS 905-906

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### B. Initial Evaluation

- (1) If the MAT shows NOT ACTIVE for the maintenance message (or the maintenance message does not show), then there was an intermittent fault.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

### C. Fault Isolation Procedure

- (1) Replace the IOM (M009) in the left AIMS cabinet. These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Power Conditioning Module (PCM), M210, in the left AIMS cabinet. These are the tasks:  
Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,  
Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PCM (M450) in the left AIMS cabinet. These are the tasks:  
Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,  
Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left AIMS cabinet. These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 907. Right AIMS IOM (M009) Module Internal Power Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-58018.

#### B. Initial Evaluation

- (1) If the MAT shows NOT ACTIVE for the maintenance message (or the maintenance message does not show), then there was an intermittent fault.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

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### C. Fault Isolation Procedure

- (1) Replace the IOM (M009) in the right AIMS cabinet. These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Power Conditioning Module (PCM), M210, in the right AIMS cabinet. These are the tasks:  
Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,  
Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PCM (M450) in the right AIMS cabinet. These are the tasks:  
Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,  
Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the right AIMS cabinet. These are the tasks:  
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,  
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 908. CMCF in Left AIMS Internal Fault Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51311, 31-51511, 31-51711.

#### B. Initial Evaluation

- (1) If the MAT shows NOT ACTIVE for the maintenance message (or the maintenance message does not show), then there was an intermittent fault.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

#### C. Fault Isolation Procedure

- (1) Do the following steps to replace the applicable LRM:
  - (a) In the list below, find the AIMS LRM for the applicable maintenance message.

| MAINTENANCE MESSAGE | AIMS LRM       |
|---------------------|----------------|
| 31-51311            | L-AIMS<br>M002 |

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## 31-44 TASKS 907-908

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| MAINTENANCE MESSAGE | AIMS LRM       |
|---------------------|----------------|
| 31-51511            | L-AIMS<br>M010 |
| 31-51711            | L-AIMS<br>M011 |

- (2) Replace the CPM/STD (M002) in the left AIMS cabinet. These are the tasks:  
Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,  
Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the CPM/GG (M010 or M011) in the left AIMS cabinet. These are the tasks:  
Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,  
Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**909. CMCF in Right AIMS Internal Fault Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51312, 31-51512, 31-51712.

**B. Initial Evaluation**

- (1) If the MAT shows NOT ACTIVE for the maintenance message (or the maintenance message does not show), then there was an intermittent fault.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

**C. Fault Isolation Procedure**

- (1) Do the following steps to replace the applicable LRM:
  - (a) In the list below, find the AIMS LRM for the applicable maintenance message.

| MAINTENANCE MESSAGE | AIMS LRM       |
|---------------------|----------------|
| 31-51312            | R-AIMS<br>M002 |
| 31-51512            | R-AIMS<br>M010 |
| 31-51712            | R-AIMS<br>M011 |

- (2) Replace the CPM/STD (M002) in the right AIMS cabinet. These are the tasks:  
Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,  
Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the CPM/GG (M010 or M011) in the right AIMS cabinet. These are the tasks:  
Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,  
Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 910. DCGF in Left AIMS Internal Fault Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51331, 31-51541, 31-51741.

#### B. Initial Evaluation

- (1) If the MAT shows NOT ACTIVE for the maintenance message (or the maintenance message does not show), then there was an intermittent fault.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

#### C. Fault Isolation Procedure

- (1) Do the following steps to replace the applicable LRM:
  - (a) In the list below, find the AIMS LRM for the applicable maintenance message.

| MAINTENANCE MESSAGE | AIMS LRM       |
|---------------------|----------------|
| 31-51331            | L-AIMS<br>M002 |
| 31-51541            | L-AIMS<br>M010 |
| 31-51741            | L-AIMS<br>M011 |

- (2) Replace the CPM/STD (M002) in the left AIMS cabinet. These are the tasks:  
Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,  
Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the CPM/GG (M010 or M011) in the left AIMS cabinet. These are the tasks:  
Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,  
Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

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### 911. DCGF in Right AIMS Internal Fault Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51332, 31-51542, 31-51742.

#### B. Initial Evaluation

- (1) If the MAT shows NOT ACTIVE for the maintenance message (or the maintenance message does not show), then there was an intermittent fault.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

#### C. Fault Isolation Procedure

- (1) Do the following steps to replace the applicable LRM:
- (a) In the list below, find the AIMS LRM for the applicable maintenance message.

| MAINTENANCE MESSAGE | AIMS LRM       |
|---------------------|----------------|
| 31-51332            | R-AIMS<br>M002 |
| 31-51542            | R-AIMS<br>M010 |
| 31-51742            | R-AIMS<br>M011 |

- (2) Replace the CPM/STD (M002) in the right AIMS cabinet. These are the tasks:  
Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,  
Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the CPM/GG (M010 or M011) in the right AIMS cabinet. These are the tasks:  
Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,  
Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 912. CMCF in Left AIMS Internal Software Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51313, 31-51513, 31-51713.

#### B. Initial Evaluation

- (1) If the MAT shows NOT ACTIVE for the maintenance message (or the maintenance message does not show), then there was an intermittent fault.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

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### C. Fault Isolation Procedure

- (1) Do the following steps on the MAT to make sure the applicable LRM operates correctly.
  - (a) In the list below, find the AIMS LRM for the applicable maintenance message.

| MAINTENANCE MESSAGE | AIMS LRM       |
|---------------------|----------------|
| 31-51313            | L-AIMS<br>M002 |
| 31-51513            | L-AIMS<br>M010 |
| 31-51713            | L-AIMS<br>M011 |

- (2) Do the applicable ground test to make sure the CPM operates correctly.
  - (a) 31 AIMS - Left AIMS, System Test, CPM/STD in L AIMS Module Reset.
  - (b) 31 AIMS – Left AIMS, System Test, CPM/GG (M010 or M011) in Left AIMS Module Reset.
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do a check of the system configuration for this system on the MAT:  
31 AIMS -Left AIMS.
  - (a) Find the applicable line replaceable module (LRM) on the display and make sure that the software part numbers are correct:
    - 1) CPM/STD (M002) in Left AIMS
    - 2) CPM/GG (M010 or M011) in Left AIMS
- (4) If any of the part numbers are incorrect, install software in the applicable LRM in the left AIMS cabinet:
  - (a) To install software in the CPM/STD (M002), do this task:  
Core Processor Module/Standard Software Installation, AMM TASK 31-41-05-420-801.
  - (b) To install software in the CPM/GG (M010 or M011), do this task:  
Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

### 913. CMCF in Right AIMS Internal Software Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51314, 31-51514, 31-51714.

#### B. Initial Evaluation

- (1) If the MAT shows NOT ACTIVE for the maintenance message (or the maintenance message does not show), then there was an intermittent fault.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

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### C. Fault Isolation Procedure

- (1) Do the following steps on the MAT to make sure the applicable LRM operates correctly.
  - (a) In the list below, find the AIMS LRM for the applicable maintenance message.

| MAINTENANCE MESSAGE | AIMS LRM       |
|---------------------|----------------|
| 31-51314            | R-AIMS<br>M002 |
| 31-51514            | R-AIMS<br>M010 |
| 31-51714            | R-AIMS<br>M011 |

- (2) Do the applicable ground test to make sure the CPM operates correctly.
  - (a) 31 AIMS - Right AIMS, System Test, CPM/STD in R AIMS Module Reset.
  - (b) 31 AIMS – Right AIMS, System Test, CPM/GG (M010 or M011) in Right AIMS Module Reset.
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do a check of the system configuration for this system on the MAT:  
31 AIMS -Right AIMS.
  - (a) Find the applicable line replaceable module (LRM) on the display and make sure that the software part numbers are correct:
    - 1) CPM/STD (M002) in Right AIMS
    - 2) CPM/GG (M010 or M011) in Right AIMS
- (4) If any of the part numbers are incorrect, install software in the applicable LRM in the right AIMS cabinet:
  - (a) To install software in the CPM/STD (M002), do this task:  
Core Processor Module/Standard Software Installation, AMM TASK 31-41-05-420-801.
  - (b) To install software in the CPM/GG (M010 or M011), do this task:  
Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 914. DCGF in Left AIMS Internal Software Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51333, 31-51543, 31-51743.

#### B. Initial Evaluation

- (1) If the MAT shows NOT ACTIVE for the maintenance message (or the maintenance message does not show), then there was an intermittent fault.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

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### C. Fault Isolation Procedure

- (1) Do the following steps on the MAT to make sure the applicable LRM operates correctly.
  - (a) In the list below, find the AIMS LRM for the applicable maintenance message.

| MAINTENANCE MESSAGE | AIMS LRM       |
|---------------------|----------------|
| 31-51333            | L-AIMS<br>M002 |
| 31-51543            | L-AIMS<br>M010 |
| 31-51743            | L-AIMS<br>M011 |

- (2) Do the applicable ground test to make sure the CPM operates correctly.
  - (a) 31 AIMS - Left AIMS, System Test, CPM/STD in L AIMS Module Reset.
  - (b) 31 AIMS – Left AIMS, System Test, CPM/GG (M010 or M011) in Left AIMS Module Reset.
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do a check of the system configuration for this system on the MAT:  
31 AIMS - Left AIMS.
  - (a) Find the applicable line replaceable module (LRM) on the display and make sure that the software part numbers are correct:
    - 1) CPM/STD (M002) in Left AIMS
    - 2) CPM/GG (M010 or M011) in Left AIMS
- (4) If any of the part numbers are incorrect, install software in the applicable LRM in the left AIMS cabinet:
  - (a) To install software in the CPM/STD (M002), do this task:  
Core Processor Module/Standard Software Installation, AMM TASK 31-41-05-420-801.
  - (b) To install software in the CPM/GG (M010 or M011), do this task:  
Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

## 915. DCGF in Right AIMS Internal Software Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51334, 31-51544, 31-51744.

### B. Initial Evaluation

- (1) If the MAT shows NOT ACTIVE for the maintenance message (or the maintenance message does not show), then there was an intermittent fault.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

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## 31-44 TASKS 914-915

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### C. Fault Isolation Procedure

- (1) Do the following steps on the MAT to make sure the applicable LRM operates correctly.
  - (a) In the list below, find the AIMS LRM for the applicable maintenance message.

| MAINTENANCE MESSAGE | AIMS LRM       |
|---------------------|----------------|
| 31-51334            | R-AIMS<br>M002 |
| 31-51544            | R-AIMS<br>M010 |
| 31-51744            | R-AIMS<br>M011 |

- (2) Do the applicable ground test to make sure the CPM operates correctly.
  - (a) 31 AIMS - Right AIMS, System Test, CPM/STD in R AIMS Module Reset.
  - (b) 31 AIMS – Right AIMS, System Test, CPM/GG (M010 or M011) in Right AIMS Module Reset.
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do a check of the system configuration for this system on the MAT:  
31 AIMS - Right AIMS.
  - (a) Find the applicable line replaceable module (LRM) on the display and make sure that the software part numbers are correct:
    - 1) CPM/Basic (M002) in Right AIMS
    - 2) CPM/STD (M002) in Right AIMS
    - 3) CPM/GG (M010 or M011) in Right AIMS
- (4) If any of the part numbers are incorrect, install software in the applicable LRM in the right AIMS cabinet:
  - (a) To install software in the CPM/STD (M002), do this task:  
Core Processor Module/Standard Software Installation, AMM TASK 31-41-05-420-801.
  - (b) To install software in the CPM/GG (M010 or M011), do this task:  
Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

**| ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218**

### **920. Left AIMS IOM(M003) Internal S/W Problems - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51943, 31-51953, 31-51963.

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(Continued)

### B. Description

- (1) The Maintenance Message shows when a fault is detected in the software of the Left IOM(M003).
- (2) The fault data is: CMCF in Left AIMS has an internal software fault.

### C. Possible Causes

- (1) Software

### D. Initial Evaluation

- (1) Do a check of the AIMS EXISTING FAULTS for ATA 31 AIMS - Left AIMS (How to Find Active or Latched Maintenance Messages in One ATA System, AMM TASK 45-10-00-740-818).
  - (a) If the Maintenance Message does not show, then the fault was intermittent.
    - 1) Corrective action for other Maintenance Messages shown is necessary.
  - (b) If the Maintenance Message shows, then do the Fault Isolation Procedure below.

### E. Fault Isolation Procedure

- (1) Make these selections on the MAT to make sure that the Right CMCF is in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL.  
NOTE: You must reset the IOM(M003) from the off-side CMCF and AIMS Interface.
  - (a) If the display shows that the Left CMCF is in control, select SWITCH TO RIGHT, YES, CONTINUE.
    - 1) On the MATA AIMS Main Menu, select Interface R\_AIMS.
    - 2) Select ONBOARD MAINTENANCE.
  - (b) If the display shows that the Right CMCF is in control, then select GO BACK.
    - 1) Select LINE MAINTENANCE, EXIT MAINTENANCE, Interface R\_AIMS.
    - 2) Select ONBOARD MAINTENANCE.
- (2) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M003) in Left AIMS Module Reset.
- (3) If the Maintenance Message does not show on the Ground Test Display, you corrected the fault.
  - (a) If the Maintenance Message still shows on the Ground Test Display, then continue.
- (4) Reinstall the software for the Left IOM(M003), do this task: (Input/Output Module (IOM) Software Installation, AMM TASK 31-41-11-420-806).
- (5) If the Maintenance Message does not show on the EXISTING FAULTS Display, you corrected the fault.

————— END OF TASK —————

## 921. Right AIMS IOM(M003) Internal S/W Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51944, 31-51954, 31-51964.

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ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218  
(Continued)

### B. Description

- (1) The Maintenance Message shows when a fault is detected in the software of the Right IOM(M003).
- (2) The fault data is: CMCF in Right AIMS has an internal software fault.

### C. Possible Causes

- (1) Software

### D. Initial Evaluation

- (1) Do a check of the AIMS EXISTING FAULTS for ATA 31 AIMS - Right AIMS (How to Find Active or Latched Maintenance Messages in One ATA System, AMM TASK 45-10-00-740-818).
  - (a) If the Maintenance Message does not show, then the fault was intermittent.
    - 1) Corrective action for other Maintenance Messages shown is necessary.
  - (b) If the Maintenance Message shows, then do the Fault Isolation Procedure below.

### E. Fault Isolation Procedure

- (1) Make these selections on the MAT to make sure that the Left CMCF is in control: OTHER FUNCTIONS, CENTRAL MAINTENANCE COMPUTER SWITCH CONTROL.  
NOTE: You must reset the IOM(M003) from the off-side CMCF and AIMS Interface.
  - (a) If the display shows that the Right CMCF is in control, select SWITCH TO LEFT, YES, CONTINUE.
    - 1) On the MATA AIMS Main Menu, select Interface L\_AIMS.
    - 2) Select ONBOARD MAINTENANCE.
  - (b) If the display shows that the Left CMCF is in control, then select GO BACK.
    - 1) Select LINE MAINTENANCE, EXIT MAINTENANCE, Interface L\_AIMS.
    - 2) Select ONBOARD MAINTENANCE.
- (2) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
- (3) If the Maintenance Message does not show on the Ground Test Display, you corrected the fault.
  - (a) If the Maintenance Message still shows on the Ground Test Display, then continue.
- (4) Reinstall the software for the Right IOM(M003), do this task: (Input/Output Module (IOM) Software Installation, AMM TASK 31-41-11-420-806).
- (5) If the Maintenance Message does not show on the EXISTING FAULTS Display, you corrected the fault.

————— END OF TASK —————

## 922. Left AIMS IOM(M004) Internal S/W Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51913, 31-51923, 31-51933.

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(Continued)

### B. Description

- (1) The Maintenance Message shows when a fault is detected in the software of the Left IOM(M004).
- (2) The fault data is: CMCF in Left AIMS has an internal software fault.

### C. Possible Causes

- (1) Software

### D. Initial Evaluation

- (1) Do a check of the AIMS EXISTING FAULTS for ATA 31 AIMS - Left AIMS (How to Find Active or Latched Maintenance Messages in One ATA System, AMM TASK 45-10-00-740-818).
  - (a) If the Maintenance Message does not show, then the fault was intermittent.
    - 1) Corrective action for other Maintenance Messages shown is necessary.
  - (b) If the Maintenance Message shows, then do the Fault Isolation Procedure below.

### E. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
- (2) If the Maintenance Message does not show on the Ground Test Display, you corrected the fault.
  - (a) If the Maintenance Message still shows on the Ground Test Display, then continue.
- (3) Reinstall the software for the Left IOM(M004), do this task: (Input/Output Module (IOM) Software Installation, AMM TASK 31-41-11-420-806).
- (4) If the Maintenance Message does not show on the EXISTING FAULTS Display, you corrected the fault.

————— END OF TASK —————

## 923. Right AIMS IOM(M004) Internal S/W Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51914, 31-51924, 31-51934.

### B. Description

- (1) The Maintenance Message shows when a fault is detected in the software of the Right IOM(M004).
- (2) The fault data is: CMCF in Right AIMS has an internal software fault.

### C. Possible Causes

- (1) Software

### D. Initial Evaluation

- (1) Do a check of the AIMS EXISTING FAULTS for ATA 31 AIMS - Right AIMS (How to Find Active or Latched Maintenance Messages in One ATA System, AMM TASK 45-10-00-740-818).
  - (a) If the Maintenance Message does not show, then the fault was intermittent.
    - 1) Corrective action for other Maintenance Messages shown is necessary.
  - (b) If the Maintenance Message shows, then do the Fault Isolation Procedure below.

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**(Continued)**

**E. Fault Isolation Procedure**

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
- (2) If the Maintenance Message does not show on the Ground Test Display, you corrected the fault.
  - (a) If the Maintenance Message still shows on the Ground Test Display, continue the Fault Isolation Procedure at the subsequent step.
- (3) Reinstall the software for the Right IOM(M004), do this task: (Input/Output Module (IOM) Software Installation, AMM TASK 31-41-11-420-806).
- (4) If the Maintenance Message does not show on the EXISTING FAULTS Display, you corrected the fault.

————— **END OF TASK** —————

**924. Left AIMS IOM(M008) Internal S/W Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51883, 31-51893, 31-51903.

**B. Description**

- (1) The Maintenance Message shows when a fault is detected in the software of the Left IOM(M008).
- (2) The fault data is: CMCF in Left AIMS has an internal software fault.

**C. Possible Causes**

- (1) Software

**D. Initial Evaluation**

- (1) Do a check of the AIMS EXISTING FAULTS for ATA 31 AIMS - Left AIMS (How to Find Active or Latched Maintenance Messages in One ATA System, AMM TASK 45-10-00-740-818).
  - (a) If the Maintenance Message does not show, then the fault was intermittent.
    - 1) Corrective action for other Maintenance Messages shown is necessary.
  - (b) If the Maintenance Message shows, then do the Fault Isolation Procedure below.

**E. Fault Isolation Procedure**

- (1) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M008) in Left AIMS Module Reset.
- (2) If the Maintenance Message does not show on the Ground Test Display, you corrected the fault.
  - (a) If the Maintenance Message still shows on the Ground Test Display, then continue.
- (3) Reinstall the software for the Left IOM(M008), do this task: (Input/Output Module (IOM) Software Installation, AMM TASK 31-41-11-420-806).
- (4) If the Maintenance Message does not show on the EXISTING FAULTS Display, you corrected the fault.

————— **END OF TASK** —————

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**31-44 TASKS 923-924**

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**ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218  
(Continued)**

**925. Right AIMS IOM(M008) Internal S/W Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51884, 31-51894, 31-51904.

**B. Description**

- (1) The Maintenance Message shows when a fault is detected in the software of the Right IOM(M008).
- (2) The fault data is: CMCF in Right AIMS has an internal software fault.

**C. Possible Causes**

- (1) Software

**D. Initial Evaluation**

- (1) Do a check of the AIMS EXISTING FAULTS for ATA 31 AIMS - Right AIMS (How to Find Active or Latched Maintenance Messages in One ATA System, AMM TASK 45-10-00-740-818).
  - (a) If the Maintenance Message does not show, then the fault was intermittent.
    - 1) Corrective action for other Maintenance Messages shown is necessary.
  - (b) If the Maintenance Message shows, then do the Fault Isolation Procedure below.

**E. Fault Isolation Procedure**

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
- (2) If the Maintenance Message does not show on the Ground Test Display, you corrected the fault.
  - (a) If the Maintenance Message still shows on the Ground Test Display, then continue.
- (3) Reinstall the software for the Right IOM(M008), do this task: (Input/Output Module (IOM) Software Installation, AMM TASK 31-41-11-420-806).
- (4) If the Maintenance Message does not show on the EXISTING FAULTS Display, you corrected the fault.

————— **END OF TASK** —————

**926. Left AIMS IOM(M009) Internal S/W Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51853, 31-51863, 31-51873.

**B. Description**

- (1) The Maintenance Message shows when a fault is detected in the software of the Left IOM(M009).
- (2) The fault data is: CMCF in Left AIMS has an internal software fault.

**C. Possible Causes**

- (1) Software

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**(Continued)**

**D. Initial Evaluation**

- (1) Do a check of the AIMS EXISTING FAULTS for ATA 31 AIMS - Left AIMS (How to Find Active or Latched Maintenance Messages in One ATA System, AMM TASK 45-10-00-740-818).
  - (a) If the Maintenance Message does not show, then the fault was intermittent.
    - 1) Corrective action for other Maintenance Messages shown is necessary.
  - (b) If the Maintenance Message shows, then do the Fault Isolation Procedure below.

**E. Fault Isolation Procedure**

- (1) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
- (2) If the Maintenance Message does not show on the Ground Test Display, you corrected the fault.
  - (a) If the Maintenance Message still shows on the Ground Test Display, continue the Fault Isolation Procedure at the subsequent step.
- (3) Reinstall the software for the Left IOM(M009), do this task: (Input/Output Module (IOM) Software Installation, AMM TASK 31-41-11-420-806).
- (4) If the Maintenance Message does not show on the EXISTING FAULTS Display, you corrected the fault.

———— **END OF TASK** ————

**927. Right AIMS IOM(M009) Internal S/W Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51854, 31-51864, 31-51874.

**B. Description**

- (1) The Maintenance Message shows when a fault is detected in the software of the Right IOM(M009).
- (2) The fault data is: CMCF in Right AIMS has an internal software fault.

**C. Possible Causes**

- (1) Software

**D. Initial Evaluation**

- (1) Do a check of the AIMS EXISTING FAULTS for ATA 31 AIMS - Right AIMS (How to Find Active or Latched Maintenance Messages in One ATA System, AMM TASK 45-10-00-740-818).
  - (a) If the Maintenance Message does not show, then the fault was intermittent.
    - 1) Corrective action for other Maintenance Messages shown is necessary.
  - (b) If the Maintenance Message shows, then do the Fault Isolation Procedure below.

**E. Fault Isolation Procedure**

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
- (2) If the Maintenance Message does not show on the Ground Test Display, you corrected the fault.
  - (a) If the Maintenance Message still shows on the Ground Test Display, then continue.

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**ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218  
(Continued)**

- (3) Reinstall the software for the Right IOM(M009), do this task: (Input/Output Module (IOM) Software Installation, AMM TASK 31-41-11-420-806).
- (4) If the Maintenance Message does not show on the EXISTING FAULTS Display, you corrected the fault.

———— **END OF TASK** ————

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## 777-200/300 FAULT ISOLATION MANUAL

### 801. DCMF in Left AIMS has no input from HF Communication Transceiver (left) on HF Datalink bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-69873.

#### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M009) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the IOM(M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

    - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - (b) If the MAT shows LATCHED for the maintenance message, then continue.
  - (2) Do this check of the wiring:
    - (a) Remove the IOM(M009) in the left AIMS cabinet. do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
    - (b) Disconnect connector D6605 from the left AIMS cabinet.
    - (c) Remove the left HF communication transceiver(M23101). do this task: HF Communication Transceiver Removal, AMM TASK 23-11-05-000-801
    - (d) Do a wiring check between these pins of the IOM connector J420-A in the left AIMS cabinet and connector DM23101AB (WDM 23-11-11):

| J420-A | DM23101AB |
|--------|-----------|
| pin A2 | pin C4    |
| pin B2 | pin D4    |
  - (e) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
  - (f) Re-install the IOM(M009) in the left AIMS cabinet. do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
  - (g) Re-connect connector D6605 from the left AIMS cabinet.
  - (h) Re-install the left HF communication transceiver(M23101). do this task: HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows LATCHED for the maintenance message, then continue.
- (3) Replace the HF communication transceiver(M23101).

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These are the tasks:

Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801,

HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 802. DCMF in Right AIMS has no input from HF Communication Transceiver (left) on HF Datalink bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-69874.

##### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M009) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the IOM(M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M009) in the right AIMS cabinet. do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - (b) Disconnect connector D6705 from the right AIMS cabinet.
  - (c) Remove the left HF communication transceiver(M23101). do this task: HF Communication Transceiver Removal, AMM TASK 23-11-05-000-801
  - (d) Do a wiring check between these pins of the IOM connector J420-A in the right AIMS cabinet and connector DM23101AB (WDM 23-11-11):

#### J420-A

pin A2 ..... pin C4  
pin B2 ..... pin D4

#### DM23101AB

- (e) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
- (f) Re-install the IOM(M009) in the right AIMS cabinet. do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
- (g) Re-connect connector D6705 from the right AIMS cabinet.

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- (h) Re-install the left HF communication transceiver(M23101). do this task: HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801
  - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 2) If the MAT shows LATCHED for the maintenance message, then continue.
- (3) Replace the HF communication transceiver(M23101).

These are the tasks:

Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801,  
HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 803. DCMF in Left AIMS has no input from HF Communication Transceiver (right) on HF Datalink bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-69875.

#### **B. Initial Evaluation**

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM(M004) in Left AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the IOM(M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the IOM(M004) in the left AIMS cabinet. do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
  - (b) Disconnect connector D6617 from the left AIMS cabinet.
  - (c) Remove the right HF communication transceiver(M23201). do this task: HF Communication Transceiver Removal, AMM TASK 23-11-05-000-801
  - (d) Do a wiring check between these pins of the IOM connector J250-A in the left AIMS cabinet and connector DM23101AB (WDM 23-11-21):

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### J250-A

pin A4 ..... pin C4  
pin B4 ..... pin D4

### DM23101AB

- (e) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
- (f) Re-install the IOM(M004) in the left AIMS cabinet. do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
- (g) Re-connect connector D6617 from the left AIMS cabinet.
- (h) Re-install the right HF communication transceiver(M23201). do this task: HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801
  - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 2) If the MAT shows LATCHED for the maintenance message, then continue.
- (3) Replace the HF communication transceiver(M23201).

These are the tasks:

Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801,  
HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 804. DCMF in Right AIMS has no input from HF Communication Transceiver (right) on HF Datalink bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-69876.

#### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M004) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the IOM(M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do this check of the wiring:

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- (a) Remove the IOM(M004) in the right AIMS cabinet. do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
- (b) Disconnect connector D6717 from the right AIMS cabinet.
- (c) Remove the right HF communication transceiver(M23201). do this task: HF Communication Transceiver Removal, AMM TASK 23-11-05-000-801
- (d) Do a wiring check between these pins of the IOM connector J250-A in the right AIMS cabinet and connector DM23101AB (WDM 23-11-21):

| J250-A | DM23101AB |
|--------|-----------|
| pin A4 | pin C4    |
| pin B4 | pin D4    |

- (e) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
  - (f) Re-install the IOM(M004) in the right AIMS cabinet. do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
  - (g) Re-connect connector D6717 from the right AIMS cabinet.
  - (h) Re-install the right HF communication transceiver(M23201). do this task: HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801
    - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 2) If the MAT shows LATCHED for the maintenance message, then continue.
- (3) Replace the HF communication transceiver(M23201).
- These are the tasks:
- Radio Tuning Panel (RTP) Removal, AMM TASK 23-12-02-000-801,  
HF Communication Transceiver Installation, AMM TASK 23-11-05-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 805. Relay (FLT REC-AC pwr) in P210 is not in commanded position - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-90002.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the relay (FLT REC-AC PWR) in P210, K31002. (WDM 31-31-11)
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Do a check of the signal interface unit 1(M24508).

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This is the task:

Signal Interface Unit - Exchange Check, AMM TASK 24-09-00-700-801-002.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (3) Do this check of the wiring:
- (a) Open these circuit breakers and install safety tags:

### Right Power Management Panel, P210

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| E          | 23         | C31400        | FLT RCDR AC |
| L          | 12         | C31605        | FLT RCDR DC |

- (b) Remove the relay (FLT REC-AC PWR) in P210, K31002. (WDM 31-31-11)
- (c) Do a wiring check between these pins of the relay connector DK31002 and the circuit breaker C31400 (WDM 31-31-11):

| <b>DK31002</b>   | <b>C31400</b> |
|------------------|---------------|
| pin A2 . . . . . | pin 2         |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
- (e) Close these circuit breakers:

### Right Power Management Panel, P210

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| E          | 23         | C31400        | FLT RCDR AC |
| L          | 12         | C31605        | FLT RCDR DC |

- (f) Replace the relay (FLT REC-AC PWR) in P210, K31002. (WDM 31-31-11)
  - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

## 806. Power Conditioning Module(s) in Left AIMS has an Internal Fault - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-50087, 31-50097, 31-50517, 31-50527, 31-50537, 31-50547, 31-50837, 31-50937.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the applicable power conditioning module(s)(PCM), M210 or M450. These are the tasks:

Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,

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Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Replace the left AIMS cabinet, M31101.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 807. Power Conditioning Module(s) in Right AIMS has an Internal Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-50088, 31-50098, 31-50518, 31-50528, 31-50538, 31-50548, 31-50838, 31-50938.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the applicable power conditioning module(s)(PCM), M210 or M450.

These are the tasks:

Power conditioning Module (PCM) Removal, AMM TASK 31-41-06-000-801,

Power Conditioning Module (PCM) Installation, AMM TASK 31-41-06-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows LATCHED for the maintenance message, then continue.
- (2) Replace the right AIMS cabinet, M31201.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 808. LSCF ASG-R No Input from EDIU-R Channel B on System 629 Bus-R - Fault Isolation

#### A. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### B. Fault Isolation Procedure

- (1) Replace the right ARINC Signal Gateway (ASG) card, P85A15.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right Engine Data Interface Unit (EDIU), M73203.

These are the tasks:

Engine Data Interface Unit (EDIU) Removal, AMM TASK 73-21-22-000-804-H00,

Engine Data Interface Unit (EDIU) Installation, AMM TASK 73-21-22-400-808-H00.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the right ASG card to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B73103, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects right EDIU to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the ASG-R to the coupler:
  - (a) Remove the right ASG card, P85A15. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31102 from the coupler B31102.

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- (c) Do a wiring check between these pins of connector XA15 at the P85A15 slot and connector DB31102 at the P111 panel (SSM 31-09-12):

| <b>XA15</b>      | <b>DB31102</b> |
|------------------|----------------|
| pin 10 . . . . . | pin 5          |
| pin 7 . . . . .  | pin 4          |
| pin 9 . . . . .  | pin 2          |
| pin 6 . . . . .  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31102.
  - 3) Re-install the right ASG card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect connector DB31102.
- (g) Re-install the right ASG card, P85A15. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (6) Do this check of the wiring from the right Engine Data Interface Unit (EDIU) to the coupler:
- (a) Disconnect connector DM73203 from the EDIU, M73203.
  - (b) Disconnect connector DB73203 from the coupler B73203.
  - (c) Do a wiring check between these pins of connector DM73203AC at the EDIU and connector DB73203 at the P211 panel (SSM 23-91-11):

| <b>DM73203AC</b>  | <b>DB73203</b> |
|-------------------|----------------|
| pin 5T . . . . .  | pin 2          |
| pin 5TR . . . . . | pin 1          |
| pin 4T . . . . .  | pin 5          |
| pin 4TR . . . . . | pin 4          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connectors DM73203 and DB73203.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 809. Right AIMS IOM(M003) Has A Fault On AIMS Intercabinet Bus 4 - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-52114.

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### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the IOM(M003) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31209, in the P212 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the IOM(M003) to the Flt Ctrl 629 Bus-R.

- (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M003) in Right AIMS Module Reset.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM(M003) to the coupler:
  - (a) Remove the IOM(M003) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31209 from the coupler, B31209.
  - (c) Do a wiring check between these pins of the IOM connector J240-A and connector DB31209 at the P212 panel (WDM 31-41-26) (SSM 31-41-02):

| J240-A  | DB31209 |
|---------|---------|
| pin G9  | pin 5   |
| pin G10 | pin 4   |
| pin G6  | pin 2   |
| pin G7  | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
    - 2) Re-connect connector DB31209.
    - 3) Re-install the IOM(M003) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- 4) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

### 810. Right AIMS IOM(M008) to AIMS Intercabinet Bus-2 Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-56114.

#### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the IOM(M003) in the left AIMS cabinet.

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (b) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM(M008) to the IOM(M003):
  - (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM(M003) from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of the IOM(M008) connector J410-A in the right AIMS cabinet and IOM(M003) connector J240-A in the left AIMS cabinet(SSM 31-41-27)(WDM 31-41-27):

#### J410-A

|         |       |         |
|---------|-------|---------|
| pin G9  | ..... | pin G6  |
| pin G10 | ..... | pin G7  |
| pin G6  | ..... | pin G9  |
| pin G7  | ..... | pin G10 |

#### J240-A

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- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the wiring.
  - 2) Re-install the IOM(M008) into the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M003) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

### 811. Right AIMS IOM(M008) to Flt Ctrl 629 Bus-C Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-56104.

#### B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
  - (a) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.
  - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the IOM(M008) in the right AIMS cabinet.

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (b) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ARINC 629 coupler, B31310, in the P312 panel.

These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the IOM(M008) to the Flt Ctrl 629 Bus-C.

  - (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM(M008) in Right AIMS Module Reset.
  - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
  - (c) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring from the IOM(M008) to the coupler:
  - (a) Remove the IOM(M008) from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Disconnect connector DB31310 from the coupler, B31310.

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- (c) Do a wiring check between these pins of the IOM connector J410-A and connector DB31310 at the P312 panel (WDM 31-41-26):

| <b>J410-A</b> | <b>DB31310</b> |
|---------------|----------------|
| pin G3 .....  | pin 5          |
| pin G4 .....  | pin 4          |
| pin G1 .....  | pin 2          |
| pin G2 .....  | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
  - 2) Re-connect connector DB31310.
  - 3) Re-install the IOM(M008) into the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) If the maintenance message does not show on the ground test display, you corrected the fault.

———— **END OF TASK** ————

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806. L Eng Oil Quantity Sensor Out of Range (L AIMS)-Fault Isolation

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-84011.

**B. Description**

- (1) The engine oil quantity signal from the oil quantity transmitter, M79001, on the left engine to the left AIMS cabinet, M31101, is out of range.

**C. Initial Evaluation**

- (1) Look at the Extended Maintenance Existing Faults screen on the MAT for the maintenance message (AMM TASK 45-10-00-740-818).
- (a) Stop for 20 seconds.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation procedure below.
- (3) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then there was an intermittent fault.

NOTE: If you have an intermittent fault, you must use your judgement (and your airlines policy) to make a decision if you will replace components and if so, which components to replace. Then monitor the airplane on the subsequent flight.

**D. Fault Isolation Procedure**

- (1) Do a check of the circuit between the left AIMS, M31101, and the oil quantity transmitter, M79001.
- (a) Remove the IOM (M008) module from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the IOM (M009) module from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Disconnect the electrical connector, DM79001, from the oil quantity transmitter, M79001.
- (d) Do a wiring check between the IO Module connectors, J410-B and J420-B, in the left AIMS cabinet and the electrical connector, DM79001, for the oil quantity transmitter (WDM 79-31-11) (SSM 31-41-04).

**Left Engine Oil Quantity Transmitter Wiring**

|                   |                  |
|-------------------|------------------|
| -                 | -                |
| <b>IOM (M008)</b> |                  |
| <b>J410-B</b>     | <b>DM79001</b>   |
| <b>connector</b>  | <b>connector</b> |
| D15 .....         | 1                |
| D14 .....         | 3                |
| C15 .....         | 2                |
| C16 .....         | 2                |

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### Left Engine Oil Quantity Transmitter Wiring

|                   |       |                  |  |
|-------------------|-------|------------------|--|
| -                 |       | -                |  |
| <b>IOM (M009)</b> |       |                  |  |
| <b>J420-B</b>     |       | <b>DM79001</b>   |  |
| <b>connector</b>  |       | <b>connector</b> |  |
| F18               | ..... | 1                |  |
| D15               | ..... | 1                |  |
| D14               | ..... | 3                |  |
| C15               | ..... | 2                |  |
| C16               | ..... | 2                |  |
| G19               | ..... | 2                |  |

- (e) If you find a problem in the wire harness, repair the wire harness as it is necessary (WDM 79-31-11) (SSM 31-41-04):
- 1) Repair the applicable wire harness, as it is necessary.
  - 2) Re-connect the electrical connector, DM79001, to the oil quantity transmitter, M79001 (AMM TASK 70-00-01-400-807-H01).
  - 3) Install the IOM (M008) module to the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) Install the IOM (M009) module to the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 5) Do the Repair Confirmation procedure at the end of this task.
- (f) If you do not find problems with the wire harness, replace the oil quantity transmitter, M79001.

These are the tasks:

Oil Level Sensor Removal, AMM TASK 79-31-01-000-801-H01,

Oil Level Sensor Installation, AMM TASK 79-31-01-400-801-H01.

- (2) If the fault continues, do these steps:

- (a) Replace the IOM (M008) module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- 1) Do the Repair Confirmation procedure at the end of this task.

- (b) Replace the IOM (M009) module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- 1) Do the Repair Confirmation procedure at the end of this task.

### E. Repair Confirmation

- (1) Look at the Extended Maintenance Existing Faults screen on the MAT for the maintenance message (AMM TASK 45-10-00-740-818).
  - (a) Stop for 20 seconds.

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- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then you corrected the fault.
- (3) If the MAT shows ACTIVE for the maintenance message, then continue this fault isolation procedure at the subsequent step.

————— **END OF TASK** —————

### 807. L Eng Oil Quantity Sensor Out of Range (R AIMS)-Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-84012.

#### B. Description

- (1) The engine oil quantity signal from the oil quantity transmitter, M79001, on the left engine to the right AIMS cabinet, M31201, is out of range.

#### C. Initial Evaluation

- (1) Look at the Extended Maintenance Existing Faults screen on the MAT for the maintenance message (AMM TASK 45-10-00-740-818).
  - (a) Stop for 20 seconds.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation procedure below.
- (3) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then there was an intermittent fault.

NOTE: If you have an intermittent fault, you must use your judgement (and your airlines policy) to make a decision if you will replace components and if so, which components to replace. Then monitor the airplane on the subsequent flight.

#### D. Fault Isolation Procedure

- (1) Do a check of the circuit between the right AIMS, M31201, and the oil quantity transmitter, M79001, on the left engine.
  - (a) Remove the IOM (M008) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM (M009) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Disconnect the electrical connector, DM79001, from the oil quantity transmitter, M79001.
  - (d) Do a wiring check between the IO Module connectors, J410-B and J420-B, in the right AIMS cabinet and the electrical connector, DM79001, for the oil quantity transmitter (WDM 79-31-11) (SSM 31-41-07).

#### Left Engine Oil Quantity Transmitter Wiring

|                   |                  |
|-------------------|------------------|
| -                 | -                |
| <b>IOM (M008)</b> |                  |
| <b>J410-B</b>     | <b>DM79001</b>   |
| <b>connector</b>  | <b>connector</b> |
| D15 .....         | 1                |
| D14 .....         | 3                |
| C15 .....         | 2                |
| C16 .....         | 2                |

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### Left Engine Oil Quantity Transmitter Wiring

|                   |   |                  |
|-------------------|---|------------------|
| -                 |   | -                |
| <b>IOM (M009)</b> |   |                  |
| <b>J420-B</b>     |   | <b>DM79001</b>   |
| <b>connector</b>  |   | <b>connector</b> |
| F18 .....         | 1 |                  |
| D15 .....         | 1 |                  |
| D14 .....         | 3 |                  |
| C15 .....         | 2 |                  |
| C16 .....         | 2 |                  |
| G19 .....         | 2 |                  |

- (e) If you find a problem in the wire harness, repair the wire harness as it is necessary (WDM 79-31-11) (SSM 31-41-07):
- 1) Repair the applicable wire harness, as it is necessary.
  - 2) Re-connect the electrical connector, DM79001, to the oil quantity transmitter M79001, (AMM TASK 70-00-01-400-807-H01).
  - 3) Install the IOM (M008) module to the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) Install the IOM (M009) module to the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 5) Do the Repair Confirmation procedure at the end of this task.
- (f) If you do not find problems with the wire harness, replace the oil quantity transmitter, M79001.

These are the tasks:

Oil Level Sensor Removal, AMM TASK 79-31-01-000-801-H01,

Oil Level Sensor Installation, AMM TASK 79-31-01-400-801-H01.

- (2) If the fault continues, do these steps:

- (a) Replace the IOM (M008) module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- 1) Do the Repair Confirmation procedure at the end of this task.

- (b) Replace the IOM (M009) module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- 1) Do the Repair Confirmation procedure at the end of this task.

### E. Repair Confirmation

- (1) Look at the Extended Maintenance Existing Faults screen on the MAT for the maintenance message, (AMM TASK 45-10-00-740-818).
  - (a) Stop for 20 seconds.

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- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then you corrected the fault.
- (3) If the MAT shows ACTIVE for the maintenance message, then continue this fault isolation procedure at the subsequent step.

— END OF TASK —

808. **R Eng Oil Quantity Sensor Out of Range (L AIMS)-Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-84021.

**B. Description**

- (1) The engine oil quantity signal from the oil quantity transmitter, M79001, on the right engine to the left AIMS cabinet, M31101, is out of range.

**C. Initial Evaluation**

- (1) Look at the Extended Maintenance Existing Faults screen on the MAT for the maintenance message (AMM TASK 45-10-00-740-818).
  - (a) Stop for 20 seconds.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation procedure below.
- (3) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then there was an intermittent fault.

**NOTE:** If you have an intermittent fault, you must use your judgement (and your airlines policy) to make a decision if you will replace components and if so, which components to replace. Then monitor the airplane on the subsequent flight.

**D. Fault Isolation Procedure**

- (1) Do a check of the circuit between the left AIMS cabinet, M31101, and the oil quantity transmitter, M79001, on the right engine.
  - (a) Remove the IOM (M003) module from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM (M004) module from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Disconnect the electrical connector, DM79001, from the oil quantity transmitter, M79001, on the right engine.
  - (d) Do a wiring check between the IO Module connectors, J240-B and J250-B, in the left AIMS cabinet and the electrical connector, DM79001, for the oil quantity transmitter (WDM 79-31-11) (SSM 31-41-05).

**Right Engine Oil Quantity Transmitter Wiring**

|                   |       |                  |  |
|-------------------|-------|------------------|--|
| -                 |       | -                |  |
| <b>IOM (M003)</b> |       |                  |  |
| <b>J240-B</b>     |       | <b>DM79001</b>   |  |
| <b>connector</b>  |       | <b>connector</b> |  |
| D15               | ..... | 1                |  |
| D14               | ..... | 3                |  |
| C15               | ..... | 2                |  |
| C16               | ..... | 2                |  |

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### Right Engine Oil Quantity Transmitter Wiring

|                   |                  |
|-------------------|------------------|
| -                 | -                |
| <b>IOM (M004)</b> |                  |
| <b>J250-B</b>     | <b>DM79001</b>   |
| <b>connector</b>  | <b>connector</b> |
| F18 .....         | 1                |
| D15 .....         | 1                |
| D14 .....         | 3                |
| C15 .....         | 2                |
| C16 .....         | 2                |
| G19 .....         | 2                |

- (e) If you find a problem in the wire harness, repair the wire harness as it is necessary (WDM 79-31-11) (SSM 31-41-05):

- 1) Repair the applicable wire harness.
- 2) Re-connect the electrical connector, DM79001, to the oil quantity transmitter, M79001, (AMM TASK 70-00-01-400-807-H01).
- 3) Install the IOM (M003) module to the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) Install the IOM (M004) module to the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 5) Do the Repair Confirmation procedure at the end of this task.

- (f) If you do not find problems with the wire harness, replace the oil quantity transmitter, M79001, on the right engine.

These are the tasks:

Oil Level Sensor Removal, AMM TASK 79-31-01-000-801-H01,

Oil Level Sensor Installation, AMM TASK 79-31-01-400-801-H01.

- (2) If the fault continues, do these steps:

- (a) Replace the IOM (M003) module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- 1) Do the Repair Confirmation procedure at the end of this task.

- (b) Replace the IOM (M004) module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- 1) Do the Repair Confirmation procedure at the end of this task.

### E. Repair Confirmation

- (1) Look at the Extended Maintenance Existing Faults screen on the MAT for the maintenance message, (AMM TASK 45-10-00-740-818).

- (a) Stop for 20 seconds.

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- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then you corrected the fault.
- (3) If the MAT shows ACTIVE for the maintenance message, then continue this fault isolation procedure at the subsequent step.

### — END OF TASK —

#### 809. R Eng Oil Quantity Sensor Out of Range (R AIMS)-Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-84022.

##### B. Description

- (1) The engine oil quantity signal from the oil quantity transmitter, M79001, on the right engine to the right AIMS cabinet, M31201, is out of range.

##### C. Initial Evaluation

- (1) Look at the Extended Maintenance Existing Faults screen on the MAT for the maintenance message, (AMM TASK 45-10-00-740-818).
  - (a) Stop for 20 seconds.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation procedure below.
- (3) If the MAT shows NOT ACTIVE for the maintenance message (or the message does not show), then there was an intermittent fault.

**NOTE:** If you have an intermittent fault, you must use your judgement (and your airlines policy) to make a decision if you will replace components and if so, which components to replace. Then monitor the airplane on the subsequent flight.

##### D. Fault Isolation Procedure

- (1) Do a check of the circuit between the right AIMS, M31201, and the oil quantity transmitter, M79001.
  - (a) Remove the IOM (M003) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Remove the IOM (M004) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Disconnect the electrical connector, DM79001, from the oil quantity transmitter, M79001.
  - (d) Do a wiring check between the IO Module connectors, J240-B and J250-B, in the right AIMS cabinet and the electrical connector, DM79001, for the oil quantity transmitter (WDM 79-31-11) (SSM 31-41-08).

#### Right Engine Oil Quantity Transmitter Wiring

|                   |                  |
|-------------------|------------------|
| -                 | -                |
| <b>IOM (M003)</b> |                  |
| <b>J240-B</b>     | <b>DM79001</b>   |
| <b>connector</b>  | <b>connector</b> |
| D15 .....         | 1                |
| D14 .....         | 3                |
| C15 .....         | 2                |
| C16 .....         | 2                |

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### Right Engine Oil Quantity Transmitter Wiring

|                   |       |                  |
|-------------------|-------|------------------|
| -                 |       | -                |
| <b>IOM (M004)</b> |       |                  |
| <b>J250-B</b>     |       | <b>DM79001</b>   |
| <b>connector</b>  |       | <b>connector</b> |
| F18               | ..... | 1                |
| D15               | ..... | 1                |
| D14               | ..... | 3                |
| C15               | ..... | 2                |
| C16               | ..... | 2                |
| G19               | ..... | 2                |

- (e) If you find a problem in the wire harness, repair the wire harness as it is necessary (WDM 79-31-11) (SSM 31-41-08):
- 1) Repair the applicable wire harness, as it is necessary.
  - 2) Re-connect the electrical connector, DM79001, to the oil quantity transmitter, M79001, (AMM TASK 70-00-01-400-807-H01).
  - 3) Install the IOM (M003) module to the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 4) Install the IOM (M004) module to the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 5) Do the Repair Confirmation procedure at the end of this task.
- (f) If you do not find problems with the wire harness, replace the oil quantity transmitter, M79001.

These are the tasks:

Oil Level Sensor Removal, AMM TASK 79-31-01-000-801-H01,

Oil Level Sensor Installation, AMM TASK 79-31-01-400-801-H01.

- (2) If the fault continues, do these steps:

- (a) Replace the IOM (M003) module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- 1) Do the Repair Confirmation procedure at the end of this task.

- (b) Replace the IOM (M004) module.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- 1) Do the Repair Confirmation procedure at the end of this task.

### E. Repair Confirmation

- (1) Look at the Extended Maintenance Existing Faults screen on the MAT for the maintenance message (AMM TASK 45-10-00-740-818).
- (a) Stop for 20 seconds.

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- (2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then you corrected the fault.
- (3) If the MAT shows ACTIVE for the maintenance message, then continue this fault isolation procedure at the subsequent step.

————— END OF TASK —————

### 810. Electronic Engine Controls Have Incorrect Software Configuration - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-84111, 31-84112.

#### B. Description

- (1) This message is set when the left or right EEC is loaded with software that is not compatible with the 777 airplane.

#### C. Fault Isolation Procedure

- (1) Do a check of the Left and Right EEC software part number on the MAT as follows:
  - (a) Set the Left and Right EEC MAINT POWER switch on the Overhead Maintenance Panel, P61, to the TEST position.
  - (b) Make these selections on the MAT:
    - 1) LINE MAINTENANCE
    - 2) SYSTEM CONFIGURATION
    - 3) 71-80 LEFT ENGINE
  - (c) Make a record of the EEC software part number for left EEC Ch A and Ch B.
  - (d) Make these selections on the MAT:
    - 1) LINE MAINTENANCE
    - 2) SYSTEM CONFIGURATION
    - 3) 71-80 RIGHT ENGINE
  - (e) Make a record of the EEC software part number for the right EEC Ch A and Ch B.
  - (f) Compare the EEC software part numbers from the System Configuration Page to the software part numbers from the engine records.
- (2) If the software part numbers do not agree, do this task: EEC (FADEC) Software Installation (on the MAT), AMM TASK 73-21-15-400-802-H01.
- (3) Select the Existing Fault Screen on the MAT.
- (4) Set the Left and Right EEC MAINT POWER switch on the Overhead Maintenance Panel, P61, to the TEST position.
- (5) If the MAT shows NOT ACTIVE for the maintenance message, then you have corrected the fault.
- (6) If the MAT shows ACTIVE for the maintenance message, then replace the EEC.

These are the tasks:

EEC (FADEC) Removal, AMM TASK 73-21-15-000-801-H01,  
EEC (FADEC) Installation, AMM TASK 73-21-15-400-801-H01.

————— END OF TASK —————

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### 811. Left AIMS Detects an Out of Range Left Engine N1 Signal - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-84131.

#### B. Description

- (1) The left AIMS detects an out of range analog N1 speed input signal from the N1 speed sensor on the left engine.

#### C. Initial Evaluation

- (1) Start the engine and permit the engine to operate at ground idle (AMM TASK 71-00-00-800-835-H00).
  - (a) If the MAT shows ACTIVE for the maintenance message while the engine operates, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message while the engine operates, then there was an intermittent fault.

**NOTE:** If you have an intermittent fault, you must use your judgement (and your airlines policy) to make a decision if you will replace components and if so, which components to replace. Then monitor the airplane on the subsequent flight.

- (c) Stop the engine (AMM TASK 71-00-00-800-837-H00).

#### D. Fault Isolation Procedure

- (1) Remove the connector DM77005 from the N1 speed sensor, M77005.
- (2) Measure the resistances between these pairs of pins on the sensor:
  - (a) Pin 1 to pin 2, specified resistance 5-200 ohms
  - (b) Pin 1 to GND, specified resistance >100K ohms
  - (c) Pin 2 to GND, specified resistance >100K ohms.
- (3) If the resistance is not in the range specified for each pair of pins, replace the N1 speed sensor, M77005. These are the tasks:  
N1 Speed Sensor Removal (AMM TASK 77-12-01-000-801-H01),  
N1 Speed Sensor Installation (AMM TASK 77-12-01-400-801-H01).
  - (a) Do the repair confirmation procedure at the end of this task.
- (4) If the resistance is in the range specified for each pair of pins, do this check of the wiring:
  - (a) Remove the left EDIU, M73103. To remove the EDIU, do this task: Engine Data Interface Unit (EDIU) Removal (AMM TASK 73-21-22-000-804-H00).
  - (b) Remove the left AVM, M77102. To remove the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Removal (AMM TASK 77-31-03-000-803-H00).
  - (c) Disconnect connector D6708 from the right AIMS cabinet, M31201.
  - (d) Disconnect connector D6608 from the left AIMS cabinet, M31101.
  - (e) Do a wiring check between these pins of connector DM77005 at the left N1 speed sensor, M77005 and connector D6608 at the left AIMS cabinet, M31101.

#### DM77005

|       |       |        |         |
|-------|-------|--------|---------|
| pin 1 | ..... | J410-B | pin F12 |
| pin 2 | ..... |        | pin G13 |

- (f) If you find a problem with the wiring, then do these steps:

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- 1) Repair the wiring.
  - 2) Install the left EDIU, M73103. To install the EDIU, do this task: Engine Data Interface Unit (EDIU) Installation (AMM TASK 73-21-22-400-808-H00).
  - 3) Install the left AVM, M77102. To install the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Installation (AMM TASK 77-31-03-400-804-H00).
  - 4) Reconnect connector D6708 to the right AIMS cabinet, M31201.
  - 5) Reconnect connector D6608 to the left AIMS cabinet, M31101.
  - 6) Do the repair confirmation procedure at the end of this task.
- (g) If you do not find a problem with the wiring, then do these steps:
- 1) Install the left EDIU, M73103. To install the EDIU, do this task: Engine Data Interface Unit (EDIU) Installation (AMM TASK 73-21-22-400-808-H00).
  - 2) Install the left AVM, M77102. To install the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Installation (AMM TASK 77-31-03-400-804-H00).
  - 3) Reconnect connector D6708 to the right AIMS cabinet, M31201.
  - 4) Reconnect connector D6608 to the left AIMS cabinet, M31101.
  - 5) Continue with the subsequent step of this procedure.
- (5) Replace the input/output module, M008, in the left AIMS cabinet, M31101.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) Do the repair confirmation procedure at the end of this task.
- (6) Replace the input/output module, M009, in the left AIMS cabinet, M31101.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) Do the repair confirmation procedure at the end of this task.

### E. Repair Confirmation

- (1) Do these steps:
- (a) Start the engine and permit the engine to operate at ground idle (AMM TASK 71-00-00-800-835-H00).
    - 1) If the MAT shows NOT ACTIVE for the maintenance message while the engine operates, (or if the message does not show) then you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message while the engine operates, then continue with this fault isolation procedure at the subsequent step.
  - (b) Stop the engine (AMM TASK 71-00-00-800-837-H00).

————— END OF TASK —————

## 812. Right AIMS Detects an Out of Range Left Engine N1 Signal - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-84132.

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### B. Description

- (1) The right AIMS detects an out of range analog N1 speed input signal from the N1 speed sensor on the left engine.

### C. Initial Evaluation

- (1) Start the engine and permit the engine to operate at ground idle (AMM TASK 71-00-00-800-835-H00).
  - (a) If the MAT shows ACTIVE for the maintenance message while the engine operates, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message while the engine operates, then there was an intermittent fault.

NOTE: If you have an intermittent fault, you must use your judgement (and your airlines policy) to make a decision if you will replace components and if so, which components to replace. Then monitor the airplane on the subsequent flight.

- (c) Stop the engine (AMM TASK 71-00-00-800-837-H00).

### D. Fault Isolation Procedure

- (1) Remove the connector DM77005 from the N1 speed sensor, M77005.
- (2) Measure the resistances between these pairs of pins on the sensor:
  - (a) Pin 1 to pin 2, specified resistance 5-200 ohms
  - (b) Pin 1 to GND, specified resistance >100K ohms
  - (c) Pin 2 to GND, specified resistance >100K ohms.
- (3) If the resistance is not in the range specified for each pair of pins, replace the N1 speed sensor, M77005. These are the tasks:  
N1 Speed Sensor Removal (AMM TASK 77-12-01-000-801-H01),  
N1 Speed Sensor Installation (AMM TASK 77-12-01-400-801-H01).
  - (a) Do the repair confirmation procedure at the end of this task.
- (4) If the resistance is in the range specified for each pair of pins, do this check of the wiring:
  - (a) Remove the left EDIU, M73103. To remove the EDIU, do this task: Engine Data Interface Unit (EDIU) Removal (AMM TASK 73-21-22-000-804-H00).
  - (b) Remove the left AVM, M77102. To remove the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Removal (AMM TASK 77-31-03-000-803-H00).
  - (c) Disconnect connector D6708 from the right AIMS cabinet, M31201.
  - (d) Disconnect connector D6608 from the left AIMS cabinet, M31101.
  - (e) Do a wiring check between these pins of connector DM77005 at the left N1 speed sensor, M77005 and connector D6708 at the right AIMS cabinet.

| DM77005 | D6708   |
|---------|---------|
| pin 1   | pin F12 |
| pin 2   | pin G13 |

- (f) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Install the left EDIU, M73103. To install the EDIU, do this task: Engine Data Interface Unit (EDIU) Installation (AMM TASK 73-21-22-400-808-H00).

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- 3) Install the left AVM, M77102. To install the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Installation (AMM TASK 77-31-03-400-804-H00).
- 4) Reconnect connector D6708 to the right AIMS cabinet, M31201.
- 5) Reconnect connector D6608 to the left AIMS cabinet, M31101.
- 6) Do the repair confirmation procedure at the end of this task.
- (g) If you do not find a problem with the wiring, then do these steps:
  - 1) Install the left EDIU, M73103. To install the EDIU, do this task: Engine Data Interface Unit (EDIU) Installation (AMM TASK 73-21-22-400-808-H00).
  - 2) Install the left AVM, M77102. To install the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Installation (AMM TASK 77-31-03-400-804-H00).
  - 3) Reconnect connector D6708 to the right AIMS cabinet, M31201.
  - 4) Reconnect connector D6608 to the left AIMS cabinet, M31101.
  - 5) Continue with the subsequent step of this procedure.
- (5) Replace the input/output module, M008, in the right AIMS cabinet, M31201.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) Do the repair confirmation procedure at the end of this task.
- (6) Replace the input/output module, M009, in the right AIMS cabinet, M31201.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) Do the repair confirmation procedure at the end of this task.

### E. Repair Confirmation

- (1) Do these steps:
  - (a) Start the engine and permit the engine to operate at ground idle (AMM TASK 71-00-00-800-835-H00).
    - 1) If the MAT shows NOT ACTIVE for the maintenance message while the engine operates, (or if the message does not show) then you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message while the engine operates, then continue with this fault isolation procedure at the subsequent step.
  - (b) Stop the engine (AMM TASK 71-00-00-800-837-H00).

————— END OF TASK —————

## 813. Left AIMS Detects an Out of Range Right Engine N1 Signal - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-84141.

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### B. Description

- (1) The left AIMS detects an out of range analog N1 speed input signal from the N1 speed sensor on the right engine.

### C. Initial Evaluation

- (1) Start the engine and permit the engine to operate at ground idle (AMM TASK 71-00-00-800-835-H00).
  - (a) If the MAT shows ACTIVE for the maintenance message while the engine operates, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message while the engine operates, then there was an intermittent fault.

NOTE: If you have an intermittent fault, you must use your judgement (and your airlines policy) to make a decision if you will replace components and if so, which components to replace. Then monitor the airplane on the subsequent flight.

- (c) Stop the engine (AMM TASK 71-00-00-800-837-H00).

### D. Fault Isolation Procedure

- (1) Remove the connector DM77005 from the N1 speed sensor, M77005.
- (2) Measure the resistances between these pairs of pins on the sensor:
  - (a) Pin 1 to pin 2, specified resistance 5-200 ohms
  - (b) Pin 1 to GND, specified resistance >100K ohms
  - (c) Pin 2 to GND, specified resistance >100K ohms.
- (3) If the resistance is not in the range specified for each pair of pins, replace the N1 speed sensor, M77005. These are the tasks:  
N1 Speed Sensor Removal (AMM TASK 77-12-01-000-801-H01),  
N1 Speed Sensor Installation (AMM TASK 77-12-01-400-801-H01).
  - (a) Do the repair confirmation procedure at the end of this task.
- (4) If the resistance is in the range specified for each pair of pins, do this check of the wiring:
  - (a) Remove the right EDIU, M73203. To remove the EDIU, do this task: Engine Data Interface Unit (EDIU) Removal (AMM TASK 73-21-22-000-804-H00).
  - (b) Remove the right AVM, M77202. To remove the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Removal (AMM TASK 77-31-03-000-803-H00).
  - (c) Disconnect connector D6720 from the right AIMS cabinet, M31201.
  - (d) Disconnect connector D6620 from the left AIMS cabinet, M31101.
  - (e) Do a wiring check between these pins of connector DM77005 at the left N1 speed sensor, M77005 and connector D6620 at the left AIMS cabinet, M31101.

| DM77005 | D6620   |
|---------|---------|
| pin 1   | pin F12 |
| pin 2   | pin G13 |

- (f) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Install the right EDIU, M73203. To install the EDIU, do this task: Engine Data Interface Unit (EDIU) Installation (AMM TASK 73-21-22-400-808-H00).

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- 3) Install the right AVM, M77202. To install the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Installation (AMM TASK 77-31-03-400-804-H00).
- 4) Reconnect connector D6720 to the right AIMS cabinet, M31201.
- 5) Reconnect connector D6620 to the left AIMS cabinet, M31101.
- 6) Do the repair confirmation procedure at the end of this task.
- (g) If you do not find a problem with the wiring, then do these steps:
  - 1) Install the right EDIU, M73203. To install the EDIU, do this task: Engine Data Interface Unit (EDIU) Installation (AMM TASK 73-21-22-400-808-H00).
  - 2) Install the right AVM, M77202. To install the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Installation (AMM TASK 77-31-03-400-804-H00).
  - 3) Reconnect connector D6720 to the right AIMS cabinet, M31201.
  - 4) Reconnect connector D6620 to the left AIMS cabinet, M31101.
  - 5) Continue with the subsequent step of this procedure.
- (5) Replace the input/output module, M003, in the left AIMS cabinet, M31101.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) Do the repair confirmation procedure at the end of this task.
- (6) Replace the input/output module, M004, in the left AIMS cabinet, M31101.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) Do the repair confirmation procedure at the end of this task.

### E. Repair Confirmation

- (1) Do these steps:
  - (a) Start the engine and permit the engine to operate at ground idle (AMM TASK 71-00-00-800-835-H00).
    - 1) If the MAT shows NOT ACTIVE for the maintenance message while the engine operates, (or if the message does not show) then you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message while the engine operates, then continue with this fault isolation procedure at the subsequent step.
  - (b) Stop the engine (AMM TASK 71-00-00-800-837-H00).

————— END OF TASK —————

## 814. Right AIMS Detects an Out of Range Right Engine N1 Signal - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-84142.

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### B. Description

- (1) The right AIMS detects an out of range analog N1 speed input signal from the N1 speed sensor on the right engine.

### C. Initial Evaluation

- (1) Start the engine and permit the engine to operate at ground idle (AMM TASK 71-00-00-800-835-H00).
  - (a) If the MAT shows ACTIVE for the maintenance message while the engine operates, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message while the engine operates, then there was an intermittent fault.

NOTE: If you have an intermittent fault, you must use your judgement (and your airlines policy) to make a decision if you will replace components and if so, which components to replace. Then monitor the airplane on the subsequent flight.

- (c) Stop the engine (AMM TASK 71-00-00-800-837-H00).

### D. Fault Isolation Procedure

- (1) Remove the connector DM77005 from the N1 speed sensor, M77005.
- (2) Measure the resistances between these pairs of pins on the sensor:
  - (a) Pin 1 to pin 2, specified resistance 5-200 ohms
  - (b) Pin 1 to GND, specified resistance >100K ohms
  - (c) Pin 2 to GND, specified resistance >100K ohms.
- (3) If the resistance is not in the range specified for each pair of pins, replace the N1 speed sensor, M77005. These are the tasks:  
N1 Speed Sensor Removal (AMM TASK 77-12-01-000-801-H01),  
N1 Speed Sensor Installation (AMM TASK 77-12-01-400-801-H01).
  - (a) Do the repair confirmation procedure at the end of this task.
- (4) If the resistance is in the range specified for each pair of pins, do this check of the wiring:
  - (a) Remove the right EDIU, M73203. To remove the EDIU, do this task: Engine Data Interface Unit (EDIU) Removal (AMM TASK 73-21-22-000-804-H00).
  - (b) Remove the right AVM, M77202. To remove the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Removal (AMM TASK 77-31-03-000-803-H00).
  - (c) Disconnect connector D6720 from the right AIMS cabinet, M31201.
  - (d) Disconnect connector D6620 from the left AIMS cabinet, M31101.
  - (e) Do a wiring check between these pins of connector DM77005 at the right N1 speed sensor, M77005 and connector D6720 at the right AIMS cabinet.

| DM77005 | D6720   |
|---------|---------|
| pin 1   | pin F12 |
| pin 2   | pin G13 |

- (f) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Install the right EDIU, M73203. To install the EDIU, do this task: Engine Data Interface Unit (EDIU) Installation (AMM TASK 73-21-22-400-808-H00).

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- 3) Install the right AVM, M77202. To install the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Installation (AMM TASK 77-31-03-400-804-H00).
- 4) Reconnect connector D6720 to the right AIMS cabinet, M31201.
- 5) Reconnect connector D6620 to the left AIMS cabinet, M31101.
- 6) Do the repair confirmation procedure at the end of this task.
- (g) If you do not find a problem with the wiring, then do these steps:
  - 1) Install the right EDIU, M73203. To install the EDIU, do this task: Engine Data Interface Unit (EDIU) Installation (AMM TASK 73-21-22-400-808-H00).
  - 2) Install the right AVM, M77202. To install the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Installation (AMM TASK 77-31-03-400-804-H00).
  - 3) Reconnect connector D6720 to the right AIMS cabinet, M31201.
  - 4) Reconnect connector D6620 to the left AIMS cabinet, M31101.
  - 5) Continue with the subsequent step of this procedure.
- (5) Replace the input/output module, M003, in the right AIMS cabinet, M31201.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) Do the repair confirmation procedure at the end of this task.
- (6) Replace the input/output module, M004, in the right AIMS cabinet, M31201.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) Do the repair confirmation procedure at the end of this task.

### E. Repair Confirmation

- (1) Do these steps:
  - (a) Start the engine and permit the engine to operate at ground idle (AMM TASK 71-00-00-800-835-H00).
    - 1) If the MAT shows NOT ACTIVE for the maintenance message while the engine operates, (or if the message does not show) then you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message while the engine operates, then continue with this fault isolation procedure at the subsequent step.
  - (b) Stop the engine (AMM TASK 71-00-00-800-837-H00).

————— END OF TASK —————

## 815. Left AIMS Detects an Out of Range Left Engine N2 Signal - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-84151.

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### B. Description

- (1) The left AIMS detects an out of range analog N2 speed input signal from the N2 speed sensor on the left engine.

### C. Initial Evaluation

- (1) Start the engine and permit the engine to operate at ground idle (AMM TASK 71-00-00-800-835-H00).
  - (a) If the MAT shows ACTIVE for the maintenance message while the engine operates, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message while the engine operates, then there was an intermittent fault.

NOTE: If you have an intermittent fault, you must use your judgement (and your airlines policy) to make a decision if you will replace components and if so, which components to replace. Then monitor the airplane on the subsequent flight.

- (c) Stop the engine (AMM TASK 71-00-00-800-837-H00).

### D. Fault Isolation Procedure

- (1) Remove the connector DM77006 from the N2 speed sensor, M77006.
- (2) Measure the resistances between these pairs of pins on the sensor:
  - (a) Pin 1 to pin 2, specified resistance 5-200 ohms
  - (b) Pin 1 to GND, specified resistance >100K ohms
  - (c) Pin 2 to GND, specified resistance >100K ohms.
- (3) If the resistance is not in the range specified for each pair of pins, replace the N2 speed sensor, M77006. These are the tasks:  
N2 Speed Sensor Removal (AMM TASK 77-12-02-000-801-H01),  
N2 Speed Sensor Installation (AMM TASK 77-12-02-400-801-H01).
  - (a) Do the repair confirmation procedure at the end of this task.
- (4) If the resistance is in the range specified for each pair of pins, do this check of the wiring:
  - (a) Remove the left AVM, M77102. To remove the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Removal (AMM TASK 77-31-03-000-803-H00).
  - (b) Disconnect connector D6708 from the right AIMS cabinet, M31201.
  - (c) Disconnect connector D6608 from the left AIMS cabinet, M31101.
  - (d) Do a wiring check between these pins of connector DM77006 at the left N2 speed sensor, M77006 and connector D6608 at the left AIMS cabinet, M31101.

| DM77006 | D6608   |
|---------|---------|
| pin 1   | pin F14 |
| pin 2   | pin G15 |

- (e) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Install the left AVM, M77102. To install the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Installation (AMM TASK 77-31-03-400-804-H00).
    - 3) Reconnect connector D6708 to the right AIMS cabinet, M31201.

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- 4) Reconnect connector D6608 to the left AIMS cabinet, M31101.
- 5) Do the repair confirmation procedure at the end of this task.
- (f) If you do not find a problem with the wiring, then do these steps:
  - 1) Install the left AVM, M77102. To install the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Installation (AMM TASK 77-31-03-400-804-H00).
  - 2) Reconnect connector D6708 to the right AIMS cabinet, M31201.
  - 3) Reconnect connector D6608 to the left AIMS cabinet, M31101.
  - 4) Continue with the subsequent step of this procedure.
- (5) Replace the input/output module, M008, in the left AIMS cabinet, M31101.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) Do the repair confirmation procedure at the end of this task.
- (6) Replace the input/output module, M009, in the left AIMS cabinet, M31101.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) Do the repair confirmation procedure at the end of this task.

### E. Repair Confirmation

- (1) Do these steps:
  - (a) Start the engine and permit the engine to operate at ground idle (AMM TASK 71-00-00-800-835-H00).
    - 1) If the MAT shows NOT ACTIVE for the maintenance message while the engine operates, (or if the message does not show) then you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message while the engine operates, then continue with this fault isolation procedure at the subsequent step.
  - (b) Stop the engine (AMM TASK 71-00-00-800-837-H00).

————— END OF TASK —————

## 816. Right AIMS Detects an Out of Range Left Engine N2 Signal - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-84152.

### B. Description

- (1) The right AIMS detects an out of range analog N2 speed input signal from the N2 speed sensor on the left engine.

### C. Initial Evaluation

- (1) Start the engine and permit the engine to operate at ground idle (AMM TASK 71-00-00-800-835-H00).
  - (a) If the MAT shows ACTIVE for the maintenance message while the engine operates, then do the Fault Isolation Procedure below.

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- (b) If the MAT shows NOT ACTIVE for the maintenance message while the engine operates, then there was an intermittent fault.

**NOTE:** If you have an intermittent fault, you must use your judgement (and your airlines policy) to make a decision if you will replace components and if so, which components to replace. Then monitor the airplane on the subsequent flight.

- (c) Stop the engine (AMM TASK 71-00-00-800-837-H00).

### D. Fault Isolation Procedure

- (1) Remove the connector DM77006 from the N2 speed sensor, M77006.
- (2) Measure the resistances between these pairs of pins on the sensor:
  - (a) Pin 1 to pin 2, specified resistance 5-200 ohms
  - (b) Pin 1 to GND, specified resistance >100K ohms
  - (c) Pin 2 to GND, specified resistance >100K ohms.
- (3) If the resistance is not in the range specified for each pair of pins, replace the N2 speed sensor, M77006. These are the tasks:

N2 Speed Sensor Removal (AMM TASK 77-12-02-000-801-H01),  
N2 Speed Sensor Installation (AMM TASK 77-12-02-400-801-H01).

  - (a) Do the repair confirmation procedure at the end of this task.
- (4) If the resistance is in the range specified for each pair of pins, do this check of the wiring:
  - (a) Remove the left AVM, M77102. To remove the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Removal (AMM TASK 77-31-03-000-803-H00).
  - (b) Disconnect connector D6708 from the right AIMS cabinet, M31201.
  - (c) Disconnect connector D6608 from the left AIMS cabinet, M31101.
  - (d) Do a wiring check between these pins of connector DM77006 at the left N2 speed sensor, M77006 and connector D6708 at the right AIMS cabinet.

| DM77006         | D6708   |
|-----------------|---------|
| pin 1 . . . . . | pin F14 |
| pin 2 . . . . . | pin G15 |

- (e) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Install the left AVM, M77102. To install the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Installation (AMM TASK 77-31-03-400-804-H00).
  - 3) Reconnect connector D6708 to the right AIMS cabinet, M31201.
  - 4) Reconnect connector D6608 to the left AIMS cabinet, M31101.
  - 5) Do the repair confirmation procedure at the end of this task.
- (f) If you do not find a problem with the wiring, then do these steps:
  - 1) Install the left AVM, M77102. To install the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Installation (AMM TASK 77-31-03-400-804-H00).
  - 2) Reconnect connector D6708 to the right AIMS cabinet, M31201.
  - 3) Reconnect connector D6608 to the left AIMS cabinet, M31101.

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- 4) Continue with the subsequent step of this procedure.
- (5) Replace the input/output module, M008, in the right AIMS cabinet, M31201.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) Do the repair confirmation procedure at the end of this task.
- (6) Replace the input/output module, M009, in the right AIMS cabinet, M31201.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) Do the repair confirmation procedure at the end of this task.

### E. Repair Confirmation

- (1) Do these steps:
  - (a) Start the engine and permit the engine to operate at ground idle (AMM TASK 71-00-00-800-835-H00).
    - 1) If the MAT shows NOT ACTIVE for the maintenance message while the engine operates, (or if the message does not show) then you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message while the engine operates, then continue with this fault isolation procedure at the subsequent step.
  - (b) Stop the engine (AMM TASK 71-00-00-800-837-H00).

### — END OF TASK —

## 817. Left AIMS Detects an Out of Range Right Engine N2 Signal - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-84161.

### B. Description

- (1) The left AIMS detects an out of range analog N2 speed input signal from the N2 speed sensor on the right engine.

### C. Initial Evaluation

- (1) Start the engine and permit the engine to operate at ground idle (AMM TASK 71-00-00-800-835-H00).
  - (a) If the MAT shows ACTIVE for the maintenance message while the engine operates, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message while the engine operates, then there was an intermittent fault.  
**NOTE:** If you have an intermittent fault, you must use your judgement (and your airlines policy) to make a decision if you will replace components and if so, which components to replace. Then monitor the airplane on the subsequent flight.
  - (c) Stop the engine (AMM TASK 71-00-00-800-837-H00).

### D. Fault Isolation Procedure

- (1) Remove the connector DM77006 from the N2 speed sensor, M77006.
- (2) Measure the resistances between these pairs of pins on the sensor:

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- (a) Pin 1 to pin 2, specified resistance 5-200 ohms
  - (b) Pin 1 to GND, specified resistance >100K ohms
  - (c) Pin 2 to GND, specified resistance >100K ohms.
- (3) If the resistance is not in the range specified for each pair of pins, replace the N2 speed sensor, M77006. These are the tasks:
- N2 Speed Sensor Removal (AMM TASK 77-12-02-000-801-H01),  
N2 Speed Sensor Installation (AMM TASK 77-12-02-400-801-H01).
- (a) Do the repair confirmation procedure at the end of this task.
- (4) If the resistance is in the range specified for each pair of pins, do this check of the wiring:
- (a) Remove the right AVM, M77202. To remove the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Removal (AMM TASK 77-31-03-000-803-H00).
  - (b) Disconnect connector D6720 from the right AIMS cabinet, M31201.
  - (c) Disconnect connector D6620 from the left AIMS cabinet, M31101.
  - (d) Do a wiring check between these pins of connector DM77006 at the left N2 speed sensor, M77006 and connector D6620 at the left AIMS cabinet, M31101.

| DM77005         | D6620   |
|-----------------|---------|
| pin 1 . . . . . | pin F14 |
| pin 2 . . . . . | pin G15 |

- (e) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Install the right AVM, M77202. To install the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Installation (AMM TASK 77-31-03-400-804-H00).
    - 3) Reconnect connector D6720 to the right AIMS cabinet, M31201.
    - 4) Reconnect connector D6620 to the left AIMS cabinet, M31101.
    - 5) Do the repair confirmation procedure at the end of this task.
  - (f) If you do not find a problem with the wiring, then do these steps:
    - 1) Install the right AVM, M77202. To install the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Installation (AMM TASK 77-31-03-400-804-H00).
    - 2) Reconnect connector D6720 to the right AIMS cabinet, M31201.
    - 3) Reconnect connector D6620 to the left AIMS cabinet, M31101.
    - 4) Continue with the subsequent step of this procedure.
- (5) Replace the input/output module, M003, in the left AIMS cabinet, M31101.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) Do the repair confirmation procedure at the end of this task.
- (6) Replace the input/output module, M004, in the left AIMS cabinet, M31101.  
These are the tasks:

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Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) Do the repair confirmation procedure at the end of this task.

### E. Repair Confirmation

- (1) Do these steps:
  - (a) Start the engine and permit the engine to operate at ground idle (AMM TASK 71-00-00-800-835-H00).
    - 1) If the MAT shows NOT ACTIVE for the maintenance message while the engine operates, (or if the message does not show) then you corrected the fault.
    - 2) If the MAT shows ACTIVE for the maintenance message while the engine operates, then continue with this fault isolation procedure at the subsequent step.
  - (b) Stop the engine (AMM TASK 71-00-00-800-837-H00).

————— **END OF TASK** —————

## 818. Right AIMS Detects an Out of Range Right Engine N2 Signal - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-84162.

### B. Description

- (1) The right AIMS detects an out of range analog N2 speed input signal from the N2 speed sensor on the right engine.

### C. Initial Evaluation

- (1) Start the engine and permit the engine to operate at ground idle (AMM TASK 71-00-00-800-835-H00).
  - (a) If the MAT shows ACTIVE for the maintenance message while the engine operates, then do the Fault Isolation Procedure below.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message while the engine operates, then there was an intermittent fault.

NOTE: If you have an intermittent fault, you must use your judgement (and your airlines policy) to make a decision if you will replace components and if so, which components to replace. Then monitor the airplane on the subsequent flight.
  - (c) Stop the engine (AMM TASK 71-00-00-800-837-H00).

### D. Fault Isolation Procedure

- (1) Remove the connector DM77006 from the N2 speed sensor, M77006.
- (2) Measure the resistances between these pairs of pins on the sensor:
  - (a) Pin 1 to pin 2, specified resistance 5-200 ohms
  - (b) Pin 1 to GND, specified resistance >100K ohms
  - (c) Pin 2 to GND, specified resistance >100K ohms.
- (3) If the resistance is not in the range specified for each pair of pins, replace the N2 speed sensor, M77006. These are the tasks:

N2 Speed Sensor Removal (AMM TASK 77-12-02-000-801-H01),  
N2 Speed Sensor Installation (AMM TASK 77-12-02-400-801-H01).

  - (a) Do the repair confirmation procedure at the end of this task.

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- (4) If the resistance is in the range specified for each pair of pins, do this check of the wiring:
- (a) Remove the right AVM, M77202. To remove the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Removal (AMM TASK 77-31-03-000-803-H00).
  - (b) Disconnect connector D6720 from the right AIMS cabinet, M31201.
  - (c) Disconnect connector D6620 from the left AIMS cabinet, M31101.
  - (d) Do a wiring check between these pins of connector DM77006 at the right N2 speed sensor, M77006 and connector D6720 at the right AIMS cabinet.

| DM77005         | D6720   |
|-----------------|---------|
| pin 1 . . . . . | pin F14 |
| pin 2 . . . . . | pin G15 |

- (e) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Install the right AVM, M77202. To install the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Installation (AMM TASK 77-31-03-400-804-H00).
    - 3) Reconnect connector D6720 to the right AIMS cabinet, M31201.
    - 4) Reconnect connector D6620 to the left AIMS cabinet, M31101.
    - 5) Do the repair confirmation procedure at the end of this task.
  - (f) If you do not find a problem with the wiring, then do these steps:
    - 1) Install the right AVM, M77202. To install the AVM, do this task: Airborne Vibration Monitor (AVM) Signal Conditioner Unit Installation (AMM TASK 77-31-03-400-804-H00).
    - 2) Reconnect connector D6720 to the right AIMS cabinet, M31201.
    - 3) Reconnect connector D6620 to the left AIMS cabinet, M31101.
    - 4) Continue with the subsequent step of this procedure.
- (5) Replace the input/output module, M003, in the right AIMS cabinet, M31201.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) Do the repair confirmation procedure at the end of this task.
- (6) Replace the input/output module, M004, in the right AIMS cabinet, M31201.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) Do the repair confirmation procedure at the end of this task.

### E. Repair Confirmation

- (1) Do these steps:
  - (a) Start the engine and permit the engine to operate at ground idle (AMM TASK 71-00-00-800-835-H00).
    - 1) If the MAT shows NOT ACTIVE for the maintenance message while the engine operates, (or if the message does not show) then you corrected the fault.

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- 2) If the MAT shows ACTIVE for the maintenance message while the engine operates, then continue with this fault isolation procedure at the subsequent step.
- (b) Stop the engine (AMM TASK 71-00-00-800-837-H00).

———— **END OF TASK** ————

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### 801. WEU-L Internal Fault - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-70011, 31-78801.

#### B. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the program pin inputs to the WEU-L channel 1:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Do a wiring check between these pins of connector DM31107AA and TB1501 at the E1-5 shelf (WDM 31-51-15).

| DM31107AA         | TB1501 |
|-------------------|--------|
| pin F10 . . . . . | TB1501 |
| pin G10 . . . . . | TB1501 |
| pin H10 . . . . . | TB1501 |
| pin G2 . . . . .  | TB1501 |
| pin G3 . . . . .  | TB1501 |
| pin G4 . . . . .  | TB1501 |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
- 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 4) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the program pin inputs to the WEU-L channel 2:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Do a wiring check between these pins of connector DM31107AC and TB1501 at the E1-5 shelf (WDM 31-51-15):

| DM31107AC         | TB1501 |
|-------------------|--------|
| pin F10 . . . . . | TB1501 |
| pin G2 . . . . .  | TB1501 |
| pin G3 . . . . .  | TB1501 |
| pin G5 . . . . .  | TB1501 |

- (c) If you find a problem with the wiring, then do these steps:

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- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
- 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**802. WEU-L Software Configuration Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-70021.

**B. Fault Isolation Procedure**

- (1) Do a check of the system configuration for this system on the MAT: 31 Warning Electronic Systems.
  - (a) Find Warning Electronic Unit (left channel 1) and Warning Electronic Unit (left channel 2) on the display and make sure that the software part numbers are correct.
  - (b) If a part number is incorrect, install software in the WEU-L. To install it, do this task: Warning Electronic Unit Software Installation, AMM TASK 31-51-01-400-802.
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**803. WEU-R No Output On WEU-R Ch2 OAP1 429 Bus - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-78892.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:

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- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (c) Do a wiring check between these pins of connector D31207AC at the E4-2 shelf and connector DM31107AC at the E1-5 shelf (WDM 31-51-23):

### DM31207AC

pin G7 . . . . .  
pin H7 . . . . .

### DM31107AC

pin J6  
pin K6

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

## 804. WEU-L Channel 1 No Input On Systems 629 Bus-L - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79401.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31122, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-L channel 1 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of wiring from the WEU-L to the coupler:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Disconnect connector DB31122 from the coupler, B31122.
  - (c) Do a wiring check between these pins of connector DM31107AB at the E1-5 shelf and connector DB31122 at the P111 panel (WDM 31-51-13):

| DM31107AB         | DB31122 |
|-------------------|---------|
| pin 5T . . . . .  | pin 5   |
| pin 5TR . . . . . | pin 4   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31122.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 805. WEU-L Channel 2 No Input On Systems 629 Bus-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79402.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31123, in the P111 panel.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.  
NOTE: This coupler connects the WEU-L channel 2 to the Systems 629 Bus-L.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of wiring from the WEU-L to the coupler:
  - (a) Disconnect connector DB31123 from the coupler, B31123.
  - (b) Do a wiring check between these pins of connector DM31107AD at the E1-5 shelf and connector DB31123 at the P111 panel (WDM 31-51-13):

| DM31107AD         | DB31123 |
|-------------------|---------|
| pin 6T . . . . .  | pin 5   |
| pin 6TR . . . . . | pin 4   |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31123.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 806. WEU-L Channel 1 No Input from AFDC-L on Systems 629 Bus-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79405.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left warning electronic unit (WEU-L), M31107.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Autopilot Flight Director Computer (AFDC-L), M22101.  
These are the tasks:  
Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,  
Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31122, in the P111 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE: This coupler connects the WEU-L channel 1 to the Systems 629 Bus-L.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B22104, in the P111 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE: This coupler connects the AFDC-L to the Systems 629 Bus-L.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the WEU-L to the coupler (WDM 31-51-13):
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Disconnect connector DB31122 from the P111 panel.
- (c) Do a wiring check between these pins of connector DB31122 at the P111 panel and connector DM31107AB at the E1-5 shelf (WDM 31-51-13):
- | <b>DM31107AB</b>  | <b>DB31122</b> |
|-------------------|----------------|
| pin 5T . . . . .  | pin 5          |
| pin 5TR . . . . . | pin 4          |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31122.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this check of the wiring from the AFDC-L to the coupler (WDM 22-11-18):
- (a) Remove the AFDC-L, M22101. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
- (b) Disconnect connector DB22104 from the P111 panel.
- (c) Do a wiring check between these pins of connector DB22104 at the P111 panel and connector DM22101AD at the E1-3 shelf (WDM 22-11-18):

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### DM22101AD

pin 5T . . . . . pin 2  
pin 5TR . . . . . pin 1

### DB22104

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB22104.
  - 3) Re-install the AFDC-L, M22101. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

## 807. WEU-L Channel 2 No Input from AFDC-L on Systems 629 Bus-L - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79407.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Autopilot Flight Director Computer (AFDC-L), M22101.

These are the tasks:

Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,

Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31123, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-L channel 2 to the Systems 629 Bus-L.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B22104, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the AFDC-L to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the WEU-L to the coupler (WDM 31-51-13):
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Disconnect connector DB31123 from the P111 panel.
  - (c) Do a wiring check between these pins of connector DB31123 at the P111 panel and connector DM31107AD at the E1-5 shelf (WDM 31-51-13):

### **DM31107AD**

pin 6T . . . . . pin 5  
pin 6TR . . . . . pin 4

### **DB31123**

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31123.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this check of the wiring from the AFDC-L to the coupler (WDM 22-11-18):
  - (a) Remove the AFDC-L, M22101. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
  - (b) Disconnect connector DB22104 from the coupler, B22104.
  - (c) Do a wiring check between these pins of connector DB22104 at the P111 panel and connector DM22101AD at the E1-3 shelf (WDM 22-11-18):

### **DM22101AD**

pin 5T . . . . . pin 2  
pin 5TR . . . . . pin 1

### **DB22104**

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB22104.

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- 3) Re-install the AFDC-L, M22101. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 808. WEU-L Channel 2 No Input from AIMS-L on Systems 629 Bus-L - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79423.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M009) module in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31123, in the P111 panel.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.  
**NOTE:** This coupler connects the WEU-L channel 2 to the Systems 629 Bus-L.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31112, in the P111 panel.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,



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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the left AIMS to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 809. WEU-L Channel 1 No Input from AIMS-R on Systems 629 Bus-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79425.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M009) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31122, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-L channel 1 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31116, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the right AIMS to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 810. WEU-L Channel 2 No Input from AIMS-R on Systems 629 Bus-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79427.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M009) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31123, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-L channel 2 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31116, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the right AIMS to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 811. **WEU-L Channel 1 No Input From ASG-L LSCF on Systems 629 Bus-L - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79429.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left ARINC Signal Gateway Card, P085A12, in the left system cardfile (LSCF).  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31122, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-L channel 1 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-L to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the WEU-L to the coupler (WDM 31-51-13):
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Disconnect connector DB31122 from the P111 panel.
  - (c) Do a wiring check between these pins of connector DB31122 at the P111 panel and connector DM31107AB at the E1-5 shelf (WDM 31-51-13):

### DM31107AB

### DB31122

|         |       |       |
|---------|-------|-------|
| pin 5T  | ..... | pin 5 |
| pin 5TR | ..... | pin 4 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31122.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this check of the wiring from the LSCF to the coupler:
  - (a) Remove the ASG-L card, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31101 from the P111 panel.
  - (c) Do a wiring check between these pins of connector XA12 at the P85 LSCF and connector DB31101 at the P111 panel (SSM 31-09-12):

### DB31101

### XA12

|       |       |       |
|-------|-------|-------|
| pin 2 | ..... | pin 9 |
| pin 1 | ..... | pin 6 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31101.
  - 3) Re-install the ASG-L card, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 812. WEU-L Channel 2 No Input From ASG-L LSCF on Systems 629 Bus-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79431.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left ARINC signal gateway (ASG-L) card, P85A12, in the left system cardfile (LSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31123, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-L channel 2 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31101, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the ASG-L to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the WEU-L to the coupler (WDM 31-51-13):

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- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Disconnect connector DB31123 from the P111 panel.
- (c) Do a wiring check between these pins of connector DB31123 at the P111 panel and connector DM31107AD at the E1-5 shelf (WDM 31-51-13):

| DM31107AD         | DB31123 |
|-------------------|---------|
| pin 6T . . . . .  | pin 5   |
| pin 6TR . . . . . | pin 4   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31123.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this check of the wiring from the LSCF to the coupler:
  - (a) Remove the ASG-L, P85A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31101 from the P111 panel.
  - (c) Do a wiring check between these pins of connector XA12 at the P85 LSCF and connector DB31101 at the P111 panel (SSM 31-09-12):

| DB31101         | XA12  |
|-----------------|-------|
| pin 2 . . . . . | pin 9 |
| pin 1 . . . . . | pin 6 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31101.
  - 3) Re-install the ASG-L, P85A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 813. WEU-L Channel 1 No Input From ASG-L RSCF on Systems 629 Bus-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79433.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left ARINC Signal Gateway Card, P084A12, in the right System Cardfile (RSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31122, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-L channel 1 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the RSCF to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the WEU-L to the coupler (WDM 31-51-13):
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Disconnect connector DB31122 from the P111 panel.



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- (c) Do a wiring check between these pins of connector DB31122 at the P111 panel and connector DM31107AB at the E1-5 shelf (WDM 31-51-13):

| <b>DM31107AB</b> | <b>DB31122</b> |
|------------------|----------------|
| pin 5T .....     | pin 5          |
| pin 5TR .....    | pin 4          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31122.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this check of the wiring from the RSCF to the coupler:
- (a) Remove the ASG-L card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31201 from the P111 panel.
  - (c) Do a wiring check between these pins of connector XA12 at the P84 RSCF and connector DB31201 at the P111 panel (WDM 31-09-22):

| <b>DB31201</b> | <b>XA12</b> |
|----------------|-------------|
| pin 2 .....    | pin 2       |
| pin 1 .....    | pin 1       |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31201.
  - 3) Re-install the ASG-L, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 814. WEU-L Channel 2 No Input From ASG-L RSCF on Systems 629 Bus-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79435.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left ARINC Signal Gateway Card (ASG-L), P84A12, in the right System Cardfile (RSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31123, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-L channel 2 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31201, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the RSCF to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the WEU-L to the coupler (WDM 31-51-13)
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Disconnect connector DB31123 from the P111 panel.
- (c) Do a wiring check between these pins of connector DB31123 at the P111 panel and connector DM31107AD at the E1-5 shelf (WDM 31-51-13):

**DM31107AD**

pin 6T . . . . . pin 5  
pin 6TR . . . . . pin 4

**DB31123**

pin 5  
pin 4

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- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31123.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this check of the wiring from the RSCF to the coupler:
  - (a) Remove the ASG-R card, P84A12. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
  - (b) Disconnect connector DB31201 from the P111 panel.
  - (c) Do a wiring check between these pins of connector XA12 at the P84 RSCF and connector DB31201 at the P111 panel (WDM 31-09-22):

| DB31201 |       | XA12  |
|---------|-------|-------|
| pin 2   | ..... | pin 9 |
| pin 1   | ..... | pin 6 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31201.
  - 3) Re-install the ASG-L, P84A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 815. WEU-L Channel 1 No Input from FSEU 1 On Systems 629 Bus-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79437.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the flap slat electronic unit 1 (FSEU 1), M27001.
- These are the tasks:
- Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801,  
Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31122, in the P111 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the WEU-L channel 1 to the Systems 629 Bus-L.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B27101, in the P211 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the FSEU 1 to the Systems 629 Bus-L.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the WEU-L to the coupler (WDM 31-51-13):
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Disconnect connector DB31122 from the P111 panel.
- (c) Do a wiring check between these pins of connector DB31122 at the P111 panel and connector DM31107AB at the E1-5 shelf (WDM 31-51-13):
- | <b>DM31107AB</b>  | <b>DB31122</b> |
|-------------------|----------------|
| pin 5T . . . . .  | pin 5          |
| pin 5TR . . . . . | pin 4          |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31122.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this check of the wiring from the FSEU 1 to the coupler:
  - (a) Remove the FSEU 1, M27001. To remove it, do this task: Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801.
  - (b) Disconnect connector DB27101 from the coupler, B27101.
  - (c) Do a wiring check between these pins of connector DM27001AB at the E1-6 shelf and connector DB27101 at the P111 panel (WDM 27-51-11):

| DM27001AB         | DB27101 |
|-------------------|---------|
| pin 2T . . . . .  | pin 2   |
| pin 2TR . . . . . | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-install the FSEU 1, M27001. To install it, do this task: Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.
  - 3) Re-connect connector DB27101.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 816. WEU-L Channel 2 No Input from FSEU 1 On Systems 629 Bus-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79439.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the flap slat electronic unit 1 (FSEU 1), M27001.  
These are the tasks:  
Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801,  
Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31123, in the P111 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE: This coupler connects the WEU-L channel 2 to the Systems 629 Bus-L.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B27101, in the P211 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE: This coupler connects the FSEU 1 to the Systems 629 Bus-L.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the WEU-L to the coupler (WDM 31-51-13):
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Disconnect connector DB31123 from the P111 panel.
- (c) Do a wiring check between these pins of connector DB31123 at the P111 panel and connector DM31107AD at the E1-5 shelf (WDM 31-51-13):
- | <b>DM31107AD</b>  | <b>DB31123</b> |
|-------------------|----------------|
| pin 6T . . . . .  | pin 5          |
| pin 6TR . . . . . | pin 4          |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31123.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this check of the wiring from the FSEU 1 to the coupler:
- (a) Remove the FSEU 1, M27001. To remove it, do this task: Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801.
- (b) Disconnect connector DB27101 from the coupler, B27101.
- (c) Do a wiring check between these pins of connector DM27001AB at the E1-6 shelf and connector DB27101 at the P111 panel (WDM 27-51-11):

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### DM27001AB

pin 2T ..... pin 2  
pin 2TR ..... pin 1

### DB27101

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-install the FSEU 1, M27001. To install it, do this task: Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.
  - 3) Re-connect connector DB27101.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

## 817. WEU-L Channel 1 No Input From OPBC-L On Systems 629 Bus-L - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79445.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.
- These are the tasks:
- Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left overhead panel bus controller (OPBC-L), M23112.
- These are the tasks:
- Left Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-801,  
Left Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31122, in the P111 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the WEU-L channel 1 to the Systems 629 Bus-L.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B23126, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the OPBC-L to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the WEU-L to the coupler (WDM 31-51-13):
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Disconnect connector DB31122 from the P111 panel.
  - (c) Do a wiring check between these pins of connector DB31122 at the P111 panel and connector DM31107AB at the E1-5 shelf (WDM 31-51-13):

**DM31107AB**

**DB31122**

pin 5T . . . . . pin 5

pin 5TR . . . . . pin 4

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31122.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this check of the wiring from the OPBC-L to the coupler:
  - (a) Remove the OPBC-L, M23112. To remove it, do this task: Left Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-801.
  - (b) Disconnect connector DB23126 from the coupler, B23126.
  - (c) Do a wiring check between these pins of connector DM23112B from the OPBC-L and connector DB23126 at the P111 panel (WDM 23-93-11)

**DM23112B**

**DB23126**

pin 2 . . . . . pin 2

pin 1 . . . . . pin 1

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).

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- 2) Re-install the OPBC-L, M23112. To install it, do this task: Left Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-801.
- 3) Re-connect connector DB23126.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 818. WEU-L Channel 2 No Input From OPBC-L On Systems 629 Bus-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79447.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left overhead panel bus controller (OPBC-L), M23112.

These are the tasks:

Left Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-801,

Left Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31123, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the OPBC-L to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the WEU-L to the coupler (WDM 31-51-13):
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Disconnect connector DB31123 from the P111 panel.
  - (c) Do a wiring check between these pins of connector DB31123 at the P111 panel and connector DM31107AD at the E1-5 shelf (WDM 31-51-13):

### **DM31107AD**

### **DB31123**

|         |       |       |
|---------|-------|-------|
| pin 6T  | ..... | pin 5 |
| pin 6TR | ..... | pin 4 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31123.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this check of the wiring from the OPBC-L to the coupler:
  - (a) Remove the OPBC-L, M23112. To remove it, do this task: Left Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-801.
  - (b) Disconnect connector DB23126 from the coupler, B23126.
  - (c) Do a wiring check between these pins of connector DM23112B from the OPBC-L and connector DB23126 at the P111 panel (WDM 23-93-11):

### **DM23112B**

### **DB23126**

|       |       |       |
|-------|-------|-------|
| pin 2 | ..... | pin 2 |
| pin 1 | ..... | pin 1 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-install the OPBC-L, M23112. To install it, do this task: Left Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-801.
  - 3) Re-connect connector DB23126.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 819. WEU-L Channel 1 No Input From OPBC-R on Systems 629 Bus-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79449.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right overhead panel bus controller (OPBC-R), M23212.

These are the tasks:

Right Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-802,

Right Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31122, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-L channel 1 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B23127 in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the OPBC-R to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the WEU-L to the coupler (WDM 31-51-13):

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- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Disconnect connector DB31122 from the P111 panel.
- (c) Do a wiring check between these pins of connector DB31122 at the P111 panel and connector DM31107AB at the E1-5 shelf (WDM 31-51-13):

| DM31107AB         | DB31122 |
|-------------------|---------|
| pin 5T . . . . .  | pin 5   |
| pin 5TR . . . . . | pin 4   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31122.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this check of the wiring from the OPBC-R to the coupler:
  - (a) Remove the OPBC-R, M23212. To remove it, do this task: Right Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-802.
  - (b) Disconnect connector DB23127 from the coupler, B23127.
  - (c) Do a wiring check between these pins of connector DM23212B from the OPBC-R and connector DB23127 at the P111 panel (WDM 23-93-21):

| DM23212B        | DB23127 |
|-----------------|---------|
| pin 2 . . . . . | pin 2   |
| pin 1 . . . . . | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-install the OPBC-R, M23212. To install it, do this task: Right Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-802.
  - 3) Re-connect connector DB23127.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 820. WEU-L Channel 2 No Input From OPBC-R on Systems 629 Bus-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79451.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right overhead panel bus controller (OPBC-R), M23212.

These are the tasks:

Right Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-802,

Right Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31123, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-L channel 2 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B23127 in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the OPBC-R to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the WEU-L to the coupler (WDM 31-51-13):
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Disconnect connector DB31123 from the P111 panel.



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- (c) Do a wiring check between these pins of connector DB31123 at the P111 panel and connector DM31107AD at the E1-5 shelf (WDM 31-51-13):

| <b>DM31107AD</b>  | <b>DB31123</b> |
|-------------------|----------------|
| pin 6T . . . . .  | pin 5          |
| pin 6TR . . . . . | pin 4          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31123.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this check of the wiring from the OPBC-R to the coupler:
- (a) Remove the OPBC-R, M23212. To remove it, do this task: Right Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-802.
  - (b) Disconnect connector DB23127 from the coupler, B23127.
  - (c) Do a wiring check between these pins of connector DM23212B from the OPBC-R and connector DB23127 at the P111 panel (WDM 23-93-21):

| <b>DM23212B</b> | <b>DB23127</b> |
|-----------------|----------------|
| pin 2 . . . . . | pin 2          |
| pin 1 . . . . . | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-install the OPBC-R, M23212. To install it, do this task: Right Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-802.
  - 3) Re-connect connector DB23127.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 821. WEU-R Internal Fault - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-70012, 31-78802.

#### **B. Fault Isolation Procedure**

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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## 31-51 TASKS 820-821

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the program pin inputs to the WEU-R channel 1:
- (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Disconnect connector D4400P from D4400J.
- (c) Do a wiring check between these pins of connector DM31207AA at the E4-2 shelf and TB4001 at the P205 panel (WDM 31-51-25):

| DM31207AA     | D4400P        | TB4001 |
|---------------|---------------|--------|
| pin F10 ..... | pin A11 ..... | TB4001 |
| pin G10 ..... | pin B11 ..... | TB4001 |
| pin F9 .....  | pin B12 ..... | TB4001 |
| pin G2 .....  | pin A13 ..... | TB4001 |
| pin G3 .....  | pin A12 ..... | TB4001 |
| pin G5 .....  | pin B13 ..... | TB4001 |
| pin H5 .....  | pin A14 ..... | TB4001 |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector D4400P.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the program pin inputs to the WEU-R channel 2:
- (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Disconnect connector D4400P from D4400J.
- (c) Do a wiring check between these pins of connector DM31207AC at the E4-2 shelf and TB4001 at the P205 panel (WDM 31-51-25):

| DM31207AC     | D4400P        | TB4001 |
|---------------|---------------|--------|
| pin F10 ..... | pin B14 ..... | TB4001 |
| pin H10 ..... | pin A15 ..... | TB4001 |
| pin F9 .....  | pin B15 ..... | TB4001 |
| pin G2 .....  | pin A16 ..... | TB4001 |
| pin G3 .....  | pin B16 ..... | TB4001 |
| pin H5 .....  | pin A17 ..... | TB4001 |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector D4400P.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 822. WEU-R Software Configuration Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-70022.

#### B. Fault Isolation Procedure

- (1) Do a check of the system configuration for this system on the MAT: 31 Warning Electronic Systems.
  - (a) Find Warning Electronic Unit (right channel 1) and Warning Electronic Unit (right channel 2) on the display and make sure that the software part numbers are correct.
  - (b) If a part number is incorrect, install software in the WEU-R. To install it, do this task: Warning Electronic Unit Software Installation, AMM TASK 31-51-01-400-802.
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 824. GND PROX GEAR Switch Signals Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-78090.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the GND PROX GEAR switch, S4 on the landing gear module assembly, M32002, on the P2-2 panel.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the GND PROX GEAR switch, S4.
  - (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DM32002A (WDM 31-51-14):

**DM31107AC**

**DM32002A**

pin J3 . . . . . pin 13

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.

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- 2) Re-install the GND PROX GEAR switch, S4.
- 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this wiring check:
  - (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the GND PROX GEAR switch, S4.
  - (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DM32002A (WDM 31-51-14):

### **DM31107AC**

pin J3 . . . . .

### **DM32002A**

pin 15

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the GND PROX GEAR switch, S4.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

## **825. WEU-L to Systems 629 Bus-L Communication Problems - Fault Isolation**

### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-78841.

### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### **C. Fault Isolation Procedure**

- (1) Replace the left warning electronic unit (WEU-L), M31107.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31122, in the P111 panel.  
These are the tasks:

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ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-L channel 1 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of wiring from the WEU-L to the coupler:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Disconnect connector DB31122 from the coupler, B31122.
  - (c) Do a wiring check between these pins of connector DM31107AB at the E1-5 shelf and connector DB31122 at the P111 panel (WDM 31-51-13):
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31122.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this check of the program pin inputs to the WEU-L channel 1:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Do a wiring check between these pins of connector DM31107AA and TB1501 at the E1-5 shelf (WDM 31-51-15):

| <b>DM31107AB</b>  | <b>DB31122</b> |
|-------------------|----------------|
| pin 2T . . . . .  | pin 2          |
| pin 2TR . . . . . | pin 1          |

| <b>DM31107AA</b>  | <b>TB1501</b> |
|-------------------|---------------|
| pin F10 . . . . . | TB1501        |
| pin G10 . . . . . | TB1501        |
| pin H10 . . . . . | TB1501        |
| pin G2 . . . . .  | TB1501        |
| pin G3 . . . . .  | TB1501        |
| pin G4 . . . . .  | TB1501        |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- 4) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the program pin inputs to the WEU-L channel 2:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Do a wiring check between these pins of connector DM31107AC and TB1501 at the E1-5 shelf (WDM 31-51-15):

| DM31107AC     | TB1501 |
|---------------|--------|
| pin F10 ..... | TB1501 |
| pin G2 .....  | TB1501 |
| pin G3 .....  | TB1501 |
| pin G5 .....  | TB1501 |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

## 826. WEU-L to Systems 629 Bus-C Communication Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-78851.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31322, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-L channel 1 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31323, in the P311 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the WEU-L channel 2 to the Systems 629 Bus-C.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this check of wiring from the WEU-L to the coupler:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Disconnect connector DB31322 from the coupler, B31322.
- (c) Do a wiring check between these pins of connector DM31107AB at the E1-5 shelf and connector DB31322 at the P311 panel (WDM 31-51-13):

| DM31107AB         | DB31322 |
|-------------------|---------|
| pin 3T . . . . .  | pin 2   |
| pin 3TR . . . . . | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31322.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of wiring from the WEU-L to the coupler:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Disconnect connector DB31323 from the coupler, B31323.
- (c) Do a wiring check between these pins of connector DM31107AD at the E1-5 shelf and connector DB31323 at the P311 panel (WDM 31-51-13):

| DM31107AD         | DB31323 |
|-------------------|---------|
| pin 2T . . . . .  | pin 2   |
| pin 2TR . . . . . | pin 1   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31323.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this check of the program pin inputs to the WEU-L channel 1:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Do a wiring check between these pins of connector DM31107AA and TB1501 at the E1-5 shelf (WDM 31-51-15):

| <b>DM31107AA</b> | <b>TB1501</b> |
|------------------|---------------|
| pin F10 .....    | TB1501        |
| pin G10 .....    | TB1501        |
| pin H10 .....    | TB1501        |
| pin G2 .....     | TB1501        |
| pin G3 .....     | TB1501        |
| pin G4 .....     | TB1501        |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 4) If the MAT shows ACTIVE for the maintenance message, then continue.
- (7) Do this check of the program pin inputs to the WEU-L channel 2:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Do a wiring check between these pins of connector DM31107AC and TB1501 at the E1-5 shelf (WDM 31-51-15):

| <b>DM31107AC</b> | <b>TB1501</b> |
|------------------|---------------|
| pin F10 .....    | TB1501        |
| pin G2 .....     | TB1501        |
| pin G3 .....     | TB1501        |
| pin G5 .....     | TB1501        |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 827. WEU-R to Systems 629 Bus-R Communication Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-78862.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31222, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R channel 1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of wiring from the WEU-R to the coupler:
  - (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Disconnect connector DB31222 from the coupler, B31222.
  - (c) Do a wiring check between these pins of connector DM31207AB at the E4-2 shelf and connector DB31222 at the P211 panel (WDM 31-51-23):

#### DM31207AB

pin 2T . . . . . pin 2  
pin 2TR . . . . . pin 1

#### DB31222

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
    - 2) Re-connect connector DB31222.
    - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 5) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (4) Do this check of the program pin inputs to the WEU-R channel 1:
- (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Disconnect connector D4400P from D4400J.
  - (c) Do a wiring check between these pins of connector DM31207AA at the E4-2 shelf and TB4001 at the P205 panel (WDM 31-51-25):

| DM31207AA     | D4400P        | TB4001 |
|---------------|---------------|--------|
| pin F10 ..... | pin A11 ..... | TB4001 |
| pin G10 ..... | pin B11 ..... | TB4001 |
| pin F9 .....  | pin B12 ..... | TB4001 |
| pin G2 .....  | pin A13 ..... | TB4001 |
| pin G3 .....  | pin A12 ..... | TB4001 |
| pin G5 .....  | pin B13 ..... | TB4001 |
| pin H5 .....  | pin A14 ..... | TB4001 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector D4400P.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the program pin inputs to the WEU-R channel 2:
  - (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Disconnect connector D4400P from D4400J.
  - (c) Do a wiring check between these pins of connector DM31207AC at the E4-2 shelf and TB4001 at the P205 panel (WDM 31-51-25):

| DM31207AC     | D4400P        | TB4001 |
|---------------|---------------|--------|
| pin F10 ..... | pin B14 ..... | TB4001 |
| pin H10 ..... | pin A15 ..... | TB4001 |
| pin F9 .....  | pin B15 ..... | TB4001 |
| pin G2 .....  | pin A16 ..... | TB4001 |
| pin G3 .....  | pin B16 ..... | TB4001 |
| pin H5 .....  | pin A17 ..... | TB4001 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector D4400P.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 828. WEU-L No Output On WEU-L Ch1 OAP1 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-78891.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (c) Do a wiring check between these pins of connector D31107AA at the E1-5 shelf and connector DM31207AA at the E4-2 shelf (WDM 31-51-13):

#### **DM31107AA**

pin G7 . . . . .

pin H7 . . . . .

#### **DM31207AA**

pin J6

pin K6

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 829. WEU-L No Output On WEU-L Ch2 OAP1 429 Bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-78893.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (c) Do a wiring check between these pins of connector D31107AC at the E1-5 shelf and connector DM31207AC at the E4-2 shelf (WDM 31-51-13):

#### **DM31107AC**

pin G7 . . . . .

pin H7 . . . . .

#### **DM31207AC**

pin J6

pin K6

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 830. WEU-R No Output On WEU-R Ch1 OAP1 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-78894.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (c) Do a wiring check between these pins of connector D31207AA at the E4-2 shelf and connector DM31107AA at the E1-5 shelf (WDM 31-51-23):

#### **DM31207AA**

pin G7 . . . . .

pin H7 . . . . .

#### **DM31107AA**

pin J6

pin K6

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 831. WEU-L Channel 1 No Input from AIMS-L on Systems 629 Bus-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79421.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M009) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31122, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-L channel 1 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31112, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the left AIMS to the Systems 629 Bus-L.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 832. WEU-L Channel 1 No Input From PSEU 1 on Systems 629 Bus-L - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79453.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Communication, A02 in the proximity sensor electronics unit (PSEU) 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31122, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-L channel 1 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B32115 in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 1 to the Systems 629 Bus-L.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

**END OF TASK**

**833. WEU-L Channel 2 No Input From PSEU 1 on Systems 629 Bus-L - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79455.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Communication, A02 in the proximity sensor electronics unit (PSEU) 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31123, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-L channel 2 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B32115 in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 1 to the Systems 629 Bus-L.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 834. WEU-L Channel 1 No Input From PSEU 2 on Systems 629 Bus-L - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79457.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Communication, A17 in the proximity sensor electronics unit (PSEU) 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31122, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-L channel 1 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B32215 in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 2 to the Systems 629 Bus-L.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 835. WEU-L Channel 2 No Input From PSEU 2 on Systems 629 Bus-L - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79459.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Communication, A17 in the proximity sensor electronics unit (PSEU) 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31123, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-L channel 2 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B32215 in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 2 to the Systems 629 Bus-L.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 836. WEU-L Channel 1 to Systems 629 Bus-C Communication Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79501.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31322, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-L channel 1 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring from the WEU-L to the coupler (WDM 31-51-13):
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Disconnect connector DB31322 from the P311 panel.
- (c) Do a wiring check between these pins of connector DB31322 at the P311 panel and connector DM31107AB at the E1-5 shelf (WDM 31-51-13):

#### **DM31107AB**

pin 6T . . . . . pin 5  
pin 6TR . . . . . pin 4

#### **DB31322**

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
- 2) Re-connect connector DB31322.

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- 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 837. WEU-R Channel 1 to Systems 629 Bus-C Communication Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79502.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31306, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring from the WEU-R to the coupler (WDM 31-51-23):
  - (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Disconnect connector DB31306 from the P311 panel.
  - (c) Do a wiring check between these pins of connector DB31306 at the P311 panel and connector DM31207AD at the E4-2 shelf (WDM 31-51-23):

#### **DM31207AD**

#### **DB31306**

pin 6T . . . . . pin 5

pin 6TR . . . . . pin 4

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).

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- 2) Re-connect connector DB31306.
- 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 838. WEU-L Channel 2 to Systems 629 Bus-C Communication Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79503.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31323, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-L channel 2 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring from the WEU-L to the coupler (WDM 31-51-13):
    - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
    - (b) Disconnect connector DB31323 from the P311 panel.
    - (c) Do a wiring check between these pins of connector DB31323 at the P311 panel and connector DM31107AD at the E1-5 shelf (WDM 31-51-13):

#### **DM31107AD**

pin 5T . . . . . pin 5  
pin 5TR . . . . . pin 4

#### **DB31323**

pin 5  
pin 4

- (d) If you find a problem with the wiring, then do these steps:

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- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
- 2) Re-connect connector DB31323.
- 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

**END OF TASK**

**839. WEU-R Channel 2 to Systems 629 Bus-C Communication Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79504.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31307, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring from the WEU-R to the coupler (WDM 31-51-23):
    - (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
    - (b) Disconnect connector DB31307 from the P311 panel.
    - (c) Do a wiring check between these pins of connector DB31307 at the P311 panel and connector DM31207AD at the E4-2 shelf (WDM 31-51-23):

**DM31207AD**

pin 5T . . . . . pin 5  
pin 5TR . . . . . pin 4

**DB31307**

pin 5  
pin 4

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- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31307.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 840. WEU-L Channel 1 No Input From AFDC-C On Systems 629 Bus-C - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79509.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left warning electronic unit (WEU-L), M31107.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the center autopilot flight director computer (AFDC-C), M22301.  
These are the tasks:  
Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,  
Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31322, in the P311 panel.  
These are the tasks:  
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.  
**NOTE:** This coupler connects the WEU-L channel 1 to the Systems 629 Bus-C.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B22304, in the P311 panel.

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These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the AFDC-C to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 841. WEU-R Channel 1 No Input From AFDC-C On Systems 629 Bus-C - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79510.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the center autopilot flight director computer (AFDC-C), M22301.

These are the tasks:

Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,

Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31306, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-R to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B22304, in the P311 panel.

These are the tasks:

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ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,  
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the AFDC-C to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 842. WEU-L Channel 2 No Input From AFDC-C On Systems 629 Bus-C - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79511.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the center autopilot flight director computer (AFDC-C), M22301.

These are the tasks:

Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,

Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31323, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-L channel 2 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B22304, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the AFDC-C to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 843. WEU-R Channel 2 No Input From AFDC-C On Systems 629 Bus-C - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79512.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the center autopilot flight director computer (AFDC-C), M22301.

These are the tasks:

Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,

Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31307, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B22304, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the AFDC-C to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 844. **WEU-L Channel 1 No Input from AIMS-L on Systems 629 Bus-C - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79521.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M008) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31322, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-L channel 1 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31312, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left AIMS to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 845. **WEU-R Channel 1 No Input from AIMS-L on Systems 629 Bus-C - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79522.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M008) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31306, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31312, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left AIMS to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 846. **WEU-L Channel 2 No Input from AIMS-L on Systems 629 Bus-C - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79523.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M008) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31323, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-L channel 2 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31312, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the left AIMS to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 847. WEU-R Channel 2 No Input from AIMS-L on Systems 629 Bus-C - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79524.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M008) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31307, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-R channel 2 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31312, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the left AIMS to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 848. WEU-L Channel 1 No Input from AIMS-R on Systems 629 Bus-C - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79525.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M008) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31322, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-L channel 1 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31317, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the right AIMS to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 849. WEU-R Channel 1 No Input from AIMS-R on Systems 629 Bus-C - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79526.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M008) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31306, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the right AIMS to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 850. WEU-L Channel 2 No Input from AIMS-R on Systems 629 Bus-C - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79527.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M008) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31323, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-L channel 2 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31317, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

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NOTE: This coupler connects the right AIMS to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 851. WEU-R Channel 2 No Input from AIMS-R on Systems 629 Bus-C - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79528.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M008) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31307, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-R channel 2 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31317, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the right AIMS to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 852. WEU-L Channel 1 No Input from FSEU 1 On Systems 629 Bus-C - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79537.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the flap slat electronic unit 1 (FSEU 1), M27001.

These are the tasks:

Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801,

Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31322, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-L channel 1 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B27302, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the FSEU 1 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 853. WEU-R Channel 1 No Input from FSEU 1 On Systems 629 Bus-C - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79538.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the flap slat electronic unit 1 (FSEU 1), M27001.

These are the tasks:

Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801,

Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31306, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-R channel 1 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B27302, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the FSEU 1 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 854. WEU-L Channel 2 No Input from FSEU 1 On Systems 629 Bus-C - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79539.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the flap slat electronic unit 1 (FSEU 1), M27001.

These are the tasks:

Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801,

Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31323, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-L channel 2 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B27302, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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NOTE: This coupler connects the FSEU 1 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 855. WEU-R Channel 2 No Input from FSEU 1 On Systems 629 Bus-C - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79540.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the flap slat electronic unit 1 (FSEU 1), M27001.

These are the tasks:

Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801,

Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31307, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-R channel 2 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B27302, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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NOTE: This coupler connects the FSEU 1 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 856. WEU-L Channel 1 No Input from FSEU 2 On Systems 629 Bus-C - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79541.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the flap slat electronic unit 2 (FSEU 2), M27002.

These are the tasks:

Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801,

Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31322, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-L channel 1 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B27304, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the FSEU 2 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 857. WEU-R Channel 1 No Input from FSEU 2 On Systems 629 Bus-C - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79542.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the flap slat electronic unit 2 (FSEU 2), M27002.

These are the tasks:

Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801,

Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31306, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the FSEU 2 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 858. **WEU-L Channel 2 No Input from FSEU 2 On Systems 629 Bus-C - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79543.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the flap slat electronic unit 2 (FSEU 2), M27002.

These are the tasks:

Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801,

Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31323, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-L channel 2 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B27304, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the FSEU 2 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 859. WEU-R Channel 2 No Input from FSEU 2 On Systems 629 Bus-C - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79544.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the flap slat electronic unit 2 (FSEU 2), M27002.

These are the tasks:

Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801,

Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31307, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-R channel 2 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B27304, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the FSEU 2 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 860. WEU-R Channel 1 to Systems 629 Bus-R Communication Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79603.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of wiring from the WEU-R to the coupler:
  - (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Disconnect connector DB31222 from the coupler, B31222.
  - (c) Do a wiring check between these pins of connector DM31207AB at the E4-2 shelf and connector DB31222 at the P211 panel (WDM 31-51-23):

#### **DM31207AB**

#### **DB31222**

|                   |       |
|-------------------|-------|
| pin 5T . . . . .  | pin 5 |
| pin 5TR . . . . . | pin 4 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31222.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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861. WEU-R Channel 2 to Systems 629 Bus-R Communication Problems - Fault Isolation

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79604.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of wiring from the WEU-R to the coupler:
- (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Disconnect connector DB31223 from the coupler, B31223.
- (c) Do a wiring check between these pins of connector DM31207AD at the E4-2 shelf and connector DB31223 at the P211 panel (WDM 31-51-23):

| DM31207AD         | DB31223 |
|-------------------|---------|
| pin 6T . . . . .  | pin 5   |
| pin 6TR . . . . . | pin 4   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
- 2) Re-connect connector DB31223.
- 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

862. WEU-R Channel 1 No Input From AFDC-R On Systems 629 Bus-R - Fault Isolation

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79614.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right autopilot flight director computer (AFDC-R), M22201.

These are the tasks:

Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,

Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31222, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R channel 1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B22204, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the AFDC-R to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 863. WEU-R Channel 2 No Input From AFDC-R On Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79616.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right autopilot flight director computer (AFDC-R), M22201.

These are the tasks:

Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,

Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31223, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R channel 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B22204, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the AFDC-R to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 864. WEU-R Channel 1 No Input from AIMS-L on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79622.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M004) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31222, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R channel 1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31211, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left AIMS to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 865. WEU-R Channel 2 No Input from AIMS-L on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79624.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M004) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31223, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R channel 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31211, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the left AIMS to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 866. WEU-R Channel 1 No Input from AIMS-R on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79626.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M004) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31222, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R channel 1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31214, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the right AIMS to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 867. WEU-R Channel 2 No Input from AIMS-R on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79628.

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## 777-200/300 FAULT ISOLATION MANUAL

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M004) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31223, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-R channel 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31214, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the right AIMS to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 868. WEU-R Channel 1 No Input From ASG-R LSCF on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79630.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right ARINC Signal Gateway Card, P085A15, in the left system cardfile (LSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31222, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R channel 1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 869. WEU-R Channel 2 No Input From ASG-R LSCF on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79632.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right ARINC Signal Gateway Card, P085A15, in the left system cardfile (LSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31223, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R channel 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31102, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 870. WEU-R Channel 1 No Input From ASG-R RSCF on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79634.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right ARINC Signal Gateway Card, P084A15, in the right system cardfile (RSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31222, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R channel 1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 871. WEU-R Channel 2 No Input From ASG-R RSCF on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79636.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right ARINC Signal Gateway Card, P084A15, in the right system cardfile (RSCF).

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31223, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R channel 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31202, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the ASG-R to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 872. WEU-R Channel 1 No Input from FSEU 2 On Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79642.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the flap slat electronic unit 2 (FSEU 2), M27002.

These are the tasks:

Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801,

Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31222, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R channel 1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B27201, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the FSEU 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 873. WEU-R Channel 2 No Input from FSEU 2 On Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79644.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the flap slat electronic unit 2 (FSEU 2), M27002.

These are the tasks:

Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801,

Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31223, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R channel 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B27201, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the FSEU 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 874. WEU-R Channel 1 No Input From OPBC-L on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79646.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left overhead panel bus controller (OPBC-L), M23112.

These are the tasks:

Left Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-801,

Left Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31222, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R channel 1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B23226 in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the OPBC-L to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 875. WEU-R Channel 2 No Input From OPBC-L on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79648.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left overhead panel bus controller (OPBC-L), M23112.

These are the tasks:

Left Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-801,

Left Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31223, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R channel 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B23226 in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the OPBC-L to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 876. WEU-R Channel 1 No Input From OPBC-R on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79650.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right overhead panel bus controller (OPBC-R), M23212.

These are the tasks:

Right Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-802,

Right Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31222, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R channel 1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B23227 in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the OPBC-R to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 877. WEU-R Channel 2 No Input From OPBC-R on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79652.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right overhead panel bus controller (OPBC-R), M23212.

These are the tasks:

Right Overhead Panel Bus Controller (OPBC) Removal, AMM TASK 23-93-01-000-802,

Right Overhead Panel Bus Controller (OPBC) Installation, AMM TASK 23-93-01-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31223, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R channel 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B23227 in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the OPBC-R to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 878. WEU-R Channel 1 No Input From PSEU 1 on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79654.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Communication, A17 in the proximity sensor electronics unit (PSEU) 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31222, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R channel 1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B32301 in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the PSEU 1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 879. WEU-R Channel 2 No Input From PSEU 1 on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79656.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Communication, A17 in the proximity sensor electronics unit (PSEU) 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31223, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R channel 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B32301 in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the PSEU 1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 880. WEU-R Channel 1 No Input From PSEU 2 on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79658.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Communication, A02 in the proximity sensor electronics unit (PSEU) 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31222, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R channel 1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B32302 in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the PSEU 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 881. WEU-R Channel 2 No Input From PSEU 2 on Systems 629 Bus-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79660.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Communication, A02 in the proximity sensor electronics unit (PSEU) 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31223, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R channel 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B32302 in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the PSEU 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

## 882. WEU-L Channel 1 No Input From WEU-L Channel 2 on WEU Backplane 429 Bus - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79905.

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### B. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 883. WEU-R Channel 1 No Input From WEU-R Channel 2 on WEU Backplane 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79906.

#### B. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 884. WEU-L Channel 2 No Input From WEU-L Channel 1 on WEU Backplane 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79907.

#### B. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 885. WEU-L Channel 1 No Input From WEU-R Channel 1 on WEU L1 IAP2 429 Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79909.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of wiring:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (c) Do a wiring check between these pins of connector DM31107AA at the E1-5 shelf and connector DM31207AA at the E4-2 shelf (WDM 31-51-23):

##### DM31107AA

pin J6 . . . . .

pin K6 . . . . .

##### DM31207AA

pin G7

pin H7

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

**886. WEU-R Channel 1 No Input From WEU-L Channel 1 on WEU R1 IAP2 429 Bus - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79910.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of wiring:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (c) Do a wiring check between these pins of connector DM31107AA at the E1-5 shelf and connector DM31207AA at the E4-2 shelf (WDM 31-51-13):

**DM31207AA**

pin G7 . . . . .

pin H7 . . . . .

**DM31107AA**

pin J6

pin K6

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

**887. WEU-L Channel 2 No Input From WEU-R Channel 2 on WEU L2 IAP2 429 Bus - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79911.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of wiring:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DM31207AC at the E4-2 shelf (WDM 31-51-23):

**DM31107AC**

pin J6 . . . . .

pin K6 . . . . .

**DM31207AC**

pin G7

pin H7

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

**888. WEU-R Channel 2 No Input From WEU-L Channel 2 on WEU R2 IAP2 429 Bus - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79912.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of wiring:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DM31207AC at the E4-2 shelf (WDM 31-51-13):

**DM31207AC**

pin J6 . . . . .

pin K6 . . . . .

**DM31107AC**

pin G7

pin H7

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 889. WEU-L Channel 1 No Input From WEU-R Channel 2 on WEU L2 IAP2 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79913.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of wiring:
    - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
    - (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
    - (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DM31207AC at the E4-2 shelf (WDM 31-51-23):

#### **DM31207AC**

pin G7 . . . . .

pin H7 . . . . .

#### **DM31107AC**

pin J6

pin K6

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

**890. WEU-R Channel 1 No Input From WEU-L Channel 2 on WEU R2 IAP2 429 Bus - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79914.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of wiring:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DM31207AC at the E4-2 shelf (WDM 31-51-13):

**DM31107AC**

pin G7 . . . . .

pin H7 . . . . .

**DM31207AC**

pin J6

pin K6

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 891. Master Warning Light Signals Problems - Fault Isolation

#### A. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### B. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (c) Do a wiring check between these pins of connector DM31107AA at the E1-5 shelf and connector DM31207AA at the E4-2 shelf (WDM 31-51-12):

#### **DM31107AA**

|        |       |        |
|--------|-------|--------|
| pin B6 | ..... | pin B4 |
| pin B7 | ..... | pin B5 |
| pin B4 | ..... | pin B6 |
| pin B5 | ..... | pin B7 |

#### **DM31207AA**

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 892. Main Gear Steering Control Unit Signals Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-78130.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the main gear steering control unit, M32037.  
These are the tasks:  
Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801,  
Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the main gear steering control unit, M32037. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
  - (c) Do a wiring check between these pins of connector DM31107AA and DM31107AC at the E1-5 shelf and connector DM32037AB at E6-3 shelf (WDM 32-53-11):

##### **DM31107AA**

pin D10 ..... pin B3  
pin H3 ..... pin D1

##### **DM32037AB**

##### **DM31107AC**

pin D10 ..... pin C1

##### **DM32037**

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the main gear steering control unit, M32037. To install it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this wiring check:
  - (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the main gear steering control unit, M32037. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
  - (c) Do a wiring check between these pins of connector DM31207AA and DM31207AC at the E4-2 shelf and connector DM32037AB at E6-3 shelf (WDM 32-53-11):

**DM31207AA**

pin D10 . . . . . pin B3  
pin H3 . . . . . pin D1

**DM32037AB****DM31207AC**

pin D10 . . . . . pin C1

**DM32037AB**

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the main gear steering control unit, M32037. To install it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

### 893. AFDC Autopilot Disconnect Warning Signals Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-78150.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left autopilot flight director computer (AFDC-L), M22101.  
These are the tasks:  
Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,  
Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right autopilot flight director computer (AFDC-R), M22201.  
These are the tasks:  
Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,  
Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the center autopilot flight director computer (AFDC-C), M22301.  
These are the tasks:  
Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,  
Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this wiring check:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Remove the AFDC-L, M22101. To remove it, do this task: Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801.
- (c) Do a wiring check between these pins of connector DM31107AA and DM31107AC at the E1-5 shelf and connector DM22101AA at E1-3 shelf (WDM 22-11-39):
- |                  |                  |
|------------------|------------------|
| <b>DM31107AA</b> | <b>DM22101AA</b> |
| pin J3 . . . . . | pin E3           |
| pin E7 . . . . . | pin A2           |
| <b>DM31107AC</b> | <b>DM22101AA</b> |
| pin E7 . . . . . | pin F1           |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the AFDC-L, M22101. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this wiring check:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Remove the AFDC-R, M22201. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.

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- (c) Do a wiring check between these pins of connector DM31107AA and DM31107AC at the E1-5 shelf and connector DM22201AA shelf E2-5 (WDM 22-11-39):

| <b>DM31107AA</b> | <b>DM22201AA</b> |
|------------------|------------------|
| pin J3 .....     | pin E3           |
| pin E7 .....     | pin A2           |

| <b>DM31107AC</b> | <b>DM22201AA</b> |
|------------------|------------------|
| pin E7 .....     | pin F1           |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the AFDC-R, M22201. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this wiring check:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the AFDC-C, M22301. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
  - (c) Do a wiring check between these pins of connector DM31107AA and DM31107AC at the E1-5 shelf and connector DM22301AA at E4-1 shelf (WDM 22-11-39):

| <b>DM31107AA</b> | <b>DM22301AA</b> |
|------------------|------------------|
| pin J3 .....     | pin E3           |
| pin E7 .....     | pin A2           |

| <b>DM31107AC</b> | <b>DM22301AA</b> |
|------------------|------------------|
| pin E7 .....     | pin F1           |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the AFDC-C, M22301. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

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### 894. Aural Enable Signals Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-78170.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DM31207AC at E4-2 shelf (WDM 31-51-11):

#### DM31107AC

pin B4 .....  
pin B5 .....  
pin B6 .....  
pin B7 .....

#### DM31207AC

pin B6  
pin B7  
pin B4  
pin B5

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
    - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 895. APU Fire Detection Card Voltage Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-78190.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the APU fire detection card, A09, in the left systems cardfile, P85.

These are the tasks:

APU Fire Control Card Removal, AMM TASK 26-15-03-000-801,

APU Fire Control Card Installation, AMM TASK 26-15-03-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the APU fire detection card, A09, in the left systems cardfile, P85. To remove it, do this task: APU Fire Control Card Removal, AMM TASK 26-15-03-000-801.
  - (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DP8509 (WDM 26-15-11):

|                  |               |
|------------------|---------------|
| <b>DM31107AC</b> | <b>DP8509</b> |
| pin H2 . . . . . | pin 1         |
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the APU fire detection card, A09, in the left systems cardfile, P85. To install it, do this task: APU Fire Control Card Installation, AMM TASK 26-15-03-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this wiring check:
  - (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.

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- (b) Remove the APU fire detection card, A09, in the left systems cardfile, P85. To remove it, do this task: APU Fire Control Card Removal, AMM TASK 26-15-03-000-801.
- (c) Do a wiring check between these pins of connector DM31207AC at the E4-2 shelf and connector DP8509 (WDM 26-15-11):

| <b>DM31207AC</b> | <b>DP8509</b> |
|------------------|---------------|
| pin H2 . . . . . | pin 1         |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the APU fire detection card, A09, in the left systems cardfile, P85. To install it, do this task: APU Fire Control Card Installation, AMM TASK 26-15-03-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**896. Engine Fire Detection Card Left Voltage Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-78210.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the left fire detection card, A10, in the left systems cardfile, P85.  
These are the tasks:  
APU Fire Control Card Removal, AMM TASK 26-15-03-000-801,  
APU Fire Control Card Installation, AMM TASK 26-15-03-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the left fire detection card, A10, in the left systems cardfile, P85. To remove it, do this task: Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801.
  - (c) Do a wiring check between these pins of connector DM31107AA at the E1-5 shelf and connector DP8508 (WDM 26-11-11):

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### DM31107AA

pin D6

### DP8508

pin 43

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the left fire detection card, A10, in the left systems cardfile, P85. To install it, do this task: Engine Fire Detection Card Installation, AMM TASK 26-11-03-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this wiring check:
  - (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the left fire detection card, A10, in the left systems cardfile, P85. To remove it, do this task: Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801.
  - (c) Do a wiring check between these pins of connector DM31207AA at the E4-2 shelf and connector DP8508 (WDM 26-11-11):

### DM31207AA

pin D6

### DP8508

pin 43

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the left fire detection card, A10, in the left systems cardfile, P85. To install it, do this task: Engine Fire Detection Card Installation, AMM TASK 26-11-03-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

## 897. Engine Fire Detection Card Right Voltage Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-78230.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Replace the right fire detection card, A10, in the right systems cardfile, P84.

These are the tasks:

Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801,

Engine Fire Detection Card Installation, AMM TASK 26-11-03-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this wiring check:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Remove the right fire detection card, A10, in the right systems cardfile, P84. To remove it, do this task: Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801.
- (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DP8408 (WDM 26-11-21):

| <b>DM31107AC</b> | <b>DP8408</b> |
|------------------|---------------|
| pin D6 . . . . . | pin 43        |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 3) Re-install the right fire detection card, A10, in the right systems cardfile, P84. To install it, do this task: Engine Fire Detection Card Installation, AMM TASK 26-11-03-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this wiring check:
- (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Remove the right fire detection card, A10, in the right systems cardfile, P84. To remove it, do this task: Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801.
- (c) Do a wiring check between these pins of connector DM31207AC at the E4-2 shelf and connector DP8408 (WDM 26-11-21):

| <b>DM31207AC</b> | <b>DP8408</b> |
|------------------|---------------|
| pin D6 . . . . . | pin 43        |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 3) Re-install the right fire detection card, A10, in the right systems cardfile, P84. To install it, do this task: Engine Fire Detection Card Installation, AMM TASK 26-11-03-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 898. WEU-R to Systems 629 Bus-C Communication Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-78852.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31306, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-R channel 1 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B31307, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-R channel 2 to the Systems 629 Bus-C.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this check of wiring from the WEU-R to the coupler:
  - (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.

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- (b) Disconnect connector DB31306 from the coupler, B31306.
- (c) Do a wiring check between these pins of connector DM31207AB at the E4-2 shelf and connector DB31306 at the P311 panel (WDM 31-51-23):

| <b>DM31207AB</b>  | <b>DB31306</b> |
|-------------------|----------------|
| pin 3T . . . . .  | pin 2          |
| pin 3TR . . . . . | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31306.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (5) Do this check of wiring from the WEU-R to the coupler:
  - (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Disconnect connector DB31307 from the coupler, B31307.
  - (c) Do a wiring check between these pins of connector DM31207AD at the E4-2 shelf and connector DB31307 at the P311 panel (WDM 31-51-23):

| <b>DM31207AD</b>  | <b>DB31307</b> |
|-------------------|----------------|
| pin 2T . . . . .  | pin 2          |
| pin 2TR . . . . . | pin 1          |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31307.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this check of the program pin inputs to the WEU-R channel 1:
  - (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Disconnect connector D4400P from D4400J.
  - (c) Do a wiring check between these pins of connector DM31207AA at the E4-2 shelf and TB4001 at the P205 panel (WDM 31-51-25):

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| DM31207AA     | D4400P        | TB4001 |
|---------------|---------------|--------|
| pin F10 ..... | pin A11 ..... | TB4001 |
| pin G10 ..... | pin B11 ..... | TB4001 |
| pin F9 .....  | pin B12 ..... | TB4001 |
| pin G2 .....  | pin A13 ..... | TB4001 |
| pin G3 .....  | pin A12 ..... | TB4001 |
| pin G5 .....  | pin B13 ..... | TB4001 |
| pin H5 .....  | pin A14 ..... | TB4001 |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector D4400P.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (7) Do this check of the program pin inputs to the WEU-R channel 2:
- (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Disconnect connector D4400P from D4400J.
  - (c) Do a wiring check between these pins of connector DM31207AC at the E4-2 shelf and TB4001 at the P205 panel (WDM 31-51-25):

| DM31207AC     | D4400P        | TB4001 |
|---------------|---------------|--------|
| pin F10 ..... | pin B14 ..... | TB4001 |
| pin H10 ..... | pin A15 ..... | TB4001 |
| pin F9 .....  | pin B15 ..... | TB4001 |
| pin G2 .....  | pin A16 ..... | TB4001 |
| pin G3 .....  | pin B16 ..... | TB4001 |
| pin H5 .....  | pin A17 ..... | TB4001 |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector D4400P.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 902. ALT GEAR DOWN Switch Signals Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-78050.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the ALT GEAR DOWN switch, S27033.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this wiring check:
  - (a) Remove the ALT GEAR DOWN switch, S27033.
  - (b) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (c) Do a wiring check between these pins of connectors DM31107AA and DM31107AC at the E1-5 shelf and the ALT GEAR DOWN switch, S27033 (WDM 27-32-11):

| <b>DM31107AA</b> | <b>S27033</b> |
|------------------|---------------|
| pin D8 . . . . . | pin 2         |
| pin H2 . . . . . | pin 8         |

| <b>DM31107AC</b> | <b>S27033</b> |
|------------------|---------------|
| pin D8 . . . . . | pin 5         |

- (d) If you find a problem with the wiring, then do these steps:
      - 1) Repair the wiring.
      - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
      - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - (e) If you do not find a problem with the wiring, then continue.
  - (3) Do this wiring check:
    - (a) Remove the ALT GEAR DOWN switch, S27033.
    - (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
    - (c) Do a wiring check between these pins of connectors DM31207AA and DM31207AC at the E4-2 shelf and the ALT GEAR DOWN switch, S27033 (WDM 27-32-12):

| <b>DM31207AA</b> | <b>S27033</b> |
|------------------|---------------|
| pin D8 . . . . . | pin 2         |
| pin H2 . . . . . | pin 8         |

| <b>DM31207AC</b> | <b>S27033</b> |
|------------------|---------------|
| pin D8 . . . . . | pin 5         |

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- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 903. WEU-L to ALT GEAR DOWN Switch Signals Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-78051, 31-78052.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ALT GEAR DOWN switch, S27033.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this wiring check:
- (a) Remove the ALT GEAR DOWN switch, S27033.
- (b) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (c) Do a wiring check between these pins of connectors DM31107AA and DM31107AC at the E1-5 shelf and the ALT GEAR DOWN switch, S27033 (WDM 27-32-11):

|                  |               |
|------------------|---------------|
| <b>DM31107AA</b> | <b>S27033</b> |
| pin D8 . . . . . | pin 2         |
| pin H2 . . . . . | pin 8         |

|                  |               |
|------------------|---------------|
| <b>DM31107AC</b> | <b>S27033</b> |
| pin D8 . . . . . | pin 5         |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.

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- 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### 904. WEU-R to ALT GEAR DOWN Switch Signals Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-78053, 31-78054.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ALT GEAR DOWN switch, S27033.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this wiring check:
  - (a) Remove the ALT GEAR DOWN switch, S27033.
  - (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (c) Do a wiring check between these pins of connectors DM31207AA and DM31207AC at the E4-2 shelf and the ALT GEAR DOWN switch, S27033 (WDM 27-32-11):

| DM31207AA    | S27033 |
|--------------|--------|
| pin D8 ..... | pin 2  |
| pin H2 ..... | pin 8  |

| DM31207AC    | S27033 |
|--------------|--------|
| pin D8 ..... | pin 5  |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 905. **ALT GEAR DOWN Switch Communication Problems - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-78055, 31-78056.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Do this wiring check:
  - (a) Remove the ALT GEAR DOWN switch, S27033.
  - (b) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (c) Do a wiring check between these pins of connectors DM31107AA and DM31107AC at the E1-5 shelf and the ALT GEAR DOWN switch, S27033 (WDM 27-32-11):

|                  |               |
|------------------|---------------|
| <b>DM31107AA</b> | <b>S27033</b> |
| pin D8 . . . . . | pin 2         |
| pin H2 . . . . . | pin 8         |

|                  |               |
|------------------|---------------|
| <b>DM31107AC</b> | <b>S27033</b> |
| pin D8 . . . . . | pin 5         |

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
    - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If you do not find a problem with the wiring, then continue.
- (2) Do this wiring check:
  - (a) Remove the ALT GEAR DOWN switch, S27033.
  - (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (c) Do a wiring check between these pins of connectors DM31207AA and DM31207AC at the E4-2 shelf and the ALT GEAR DOWN switch, S27033 (WDM 27-32-12):

|                  |               |
|------------------|---------------|
| <b>DM31207AA</b> | <b>S27033</b> |
| pin D8 . . . . . | pin 2         |
| pin H2 . . . . . | pin 8         |

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**DM31207AC**

**S27033**

pin D8 . . . . . pin 5

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### **906. WEU-L to Master Warning Light Signals Problems - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-78071.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (2) Do this wiring check:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Do a wiring check between these pins of connector DM31107AA at the E1-5 shelf and connector DL31101 at the P7 panel (WDM 31-51-11):

| DM31107AA | DL31101 |
|-----------|---------|
| pin B2    | pin 15  |
| pin D9    | pin 3   |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 907. WEU-R to Master Warning Light Signals Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-78073.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this wiring check:
  - (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Do a wiring check between these pins of connector DM31207AA at the E4-2 shelf and connector DL31101 at the P7 panel (WDM 31-51-11):

| DM31207AA | DL31101 |
|-----------|---------|
| pin D9    | pin 3   |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.

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- 2) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

**————— END OF TASK —————**

**908. Master Warning Light Input Signals to WEU-L Problems - Fault Isolation**

**A. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**B. Fault Isolation Procedure**

- (1) Do this wiring check:
  - (a) Remove the left warning electronic unit (WEU-L), M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the right warning electronic unit (WEU-R), M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (c) Do a wiring check between these pins of connectors DM31107AA and DM31107AC at the E1-5 shelf and connectors DM31207AA and DM31207AC at the E4-2 shelf (WDM 31-51-12):

**DM31107AA**

pin B6 ..... pin B4  
pin B7 ..... pin B5

**DM31207AA**

**DM31107AC**

pin B5 ..... pin B7  
pin B6 ..... pin B4

**DM31207AC**

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (2) Replace the WEU-L, M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the WEU-R, M31207.
- These are the tasks:
- Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 909. Master Warning Light Input Signals to WEU-R Problems - Fault Isolation

#### A. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### B. Fault Isolation Procedure

- (1) Do this wiring check:
- (a) Remove the left warning electronic unit (WEU-L), M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Remove the right warning electronic unit (WEU-R), M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (c) Do a wiring check between these pins of connectors DM31107AA and DM31107AC at the E1-5 shelf and connectors DM31207AA and DM31207AC at the E4-2 shelf (WDM 31-51-12):

##### DM31107AA

pin B4 ..... pin B6  
pin B5 ..... pin B7

##### DM31207AA

##### DM31107AC

pin B7 ..... pin B5  
pin B4 ..... pin B6

##### DM31207AC

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (2) Replace the WEU-R, M31207.
- These are the tasks:

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Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the WEU-L, M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 910. WEU-L to GND PROX GEAR Switch Signals Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-78091.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the GND PROX GEAR switch, S4 on the landing gear module assembly, M32002, on the P2-2 panel.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the GND PROX GEAR switch, S4.
  - (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DM32002A (WDM 31-51-14):

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**DM31107AC**

pin J3 . . . . .

**DM32002A**

pin 13

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the GND PROX GEAR switch, S4.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

## 911. WEU-R to GND PROX GEAR Switch Signals Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-78092.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.
- These are the tasks:
- Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the GND PROX GEAR switch, S4 on the landing gear module assembly, M32002, on the P2-2 panel.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this wiring check:
- (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Remove the GND PROX GEAR switch, S4.
- (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DM32002A (WDM 31-51-14):

**DM31107AC**

pin J3 . . . . .

**DM32002A**

pin 15

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- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the GND PROX GEAR switch, S4.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### 912. WEU-L Steering Locked Signals Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-78131, 31-78132.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the main gear steering control unit, M32037.

These are the tasks:

Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801,  
Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the main gear steering control unit, M32037. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
  - (c) Do a wiring check between these pins of connector DM31107AA and DM31107AC at the E1-5 shelf and connector DM32037AB at E6-3 shelf (WDM 32-53-11):

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### DM31107AA

pin D10 .....  
pin H3 .....

### DM32037AB

pin B3  
pin D1

### DM31107AC

pin D10 .....

### DM32037AB

pin C1

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the main gear steering control unit, M32037. To install it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

## 913. WEU-R Steering Locked Signals Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-78133, 31-78134.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the main gear steering control unit, M32037.
- These are the tasks:
- Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801,  
Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this wiring check:

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- (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Remove the main gear steering control unit, M32037. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
- (c) Do a wiring check between these pins of connector DM31207AA and DM31207AC at the E4-2 shelf and connector DM32037AB at E6-3 shelf (WDM 32-53-11):

|                   |                  |
|-------------------|------------------|
| <b>DM31207AA</b>  | <b>DM32037AB</b> |
| pin D10 . . . . . | pin B3           |
| pin H3 . . . . .  | pin D1           |

|                   |                  |
|-------------------|------------------|
| <b>DM31207AC</b>  | <b>DM32037AB</b> |
| pin D10 . . . . . | pin C1           |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the main gear steering control unit, M32037. To install it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 914. WEU-R and WEU-L to Main Gear Steering Control Unit Signals Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-78135, 31-78136.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the main gear steering control unit, M32037. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
  - (c) Do a wiring check between these pins of connector DM31107AA and DM31107AC at the E1-5 shelf and connector DM32037AB at E6-3 shelf (WDM 32-53-11):

|                   |                  |
|-------------------|------------------|
| <b>DM31107AA</b>  | <b>DM32037AB</b> |
| pin D10 . . . . . | pin B3           |
| pin H3 . . . . .  | pin D1           |

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### DM31107AC

pin D10

### DM32037

pin C1

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the main gear steering control unit, M32037. To install it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this wiring check:
  - (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the main gear steering control unit, M32037. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
  - (c) Do a wiring check between these pins of connector DM31207AA and DM31207AC at the E4-2 shelf and connector DM32037AB at E6-3 shelf (WDM 32-53-11):

### DM31207AA

pin D10

pin H3

### DM32037AB

pin B3

pin D1

### DM31207AC

pin D10

### DM32037AB

pin C1

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the main gear steering control unit, M32037. To install it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the left warning electronic unit (WEU-L), M31107.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (4) Replace the right warning electronic unit (WEU-R), M31207.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 915. WEU-L Autopilot Disconnect Warning Signals Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-78151, 31-78152.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left autopilot flight director computer (AFDC-L), M22101.  
These are the tasks:  
Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,  
Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the right autopilot flight director computer (AFDC-R), M22201.  
These are the tasks:  
Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,  
Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the center autopilot flight director computer (AFDC-C), M22301.  
These are the tasks:  
Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,

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Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the AFDC-L, M22101. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
  - (c) Do a wiring check between these pins of connector DM31107AA and DM31107AC at the E1-5 shelf and connector DM22101AA at E1-3 shelf (WDM 22-11-39):

|                  |                  |
|------------------|------------------|
| <b>DM31107AA</b> | <b>DM22101AA</b> |
| pin J3 . . . . . | pin E3           |
| pin E7 . . . . . | pin A2           |

|                  |                  |
|------------------|------------------|
| <b>DM31107AC</b> | <b>DM22101AA</b> |
| pin E7 . . . . . | pin F1           |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the AFDC-L, M22101. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the AFDC-R, M22201. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
  - (c) Do a wiring check between these pins of connector DM31107AA and DM31107AC at the E1-5 shelf and connector DM22201AA shelf E2-5 (WDM 22-11-39):

|                  |                  |
|------------------|------------------|
| <b>DM31107AA</b> | <b>DM22201AA</b> |
| pin J3 . . . . . | pin E3           |
| pin E7 . . . . . | pin A2           |

|                  |                  |
|------------------|------------------|
| <b>DM31107AC</b> | <b>DM22201AA</b> |
| pin E7 . . . . . | pin F1           |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.

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- 2) Re-install the AFDC-R, M22201. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (7) Do this wiring check:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the AFDC-C, M22301. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
  - (c) Do a wiring check between these pins of connector DM31107AA and DM31107AC at the E1-5 shelf and connector DM22301AA at E4-1 shelf (WDM 22-11-39):

**DM31107AA**

pin J3 . . . . .  
pin E7 . . . . .

**DM22301AA**

pin E3  
pin A2

**DM31107AC**

pin E7 . . . . .

**DM22301AA**

pin F1

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the AFDC-C, M22301. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 916. WEU-R Autopilot Disconnect Warning Signals Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-78153, 31-78154.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

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Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left autopilot flight director computer (AFDC-L), M22101.  
These are the tasks:  
Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,  
Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the right autopilot flight director computer (AFDC-R), M22201.  
These are the tasks:  
Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,  
Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the center autopilot flight director computer (AFDC-C), M22301.  
These are the tasks:  
Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,  
Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this wiring check:
  - (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the AFDC-L, M22101. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
  - (c) Do a wiring check between these pins of connector DM31207AA and DM31207AC at the E4-2 shelf and connector DM22101AA at E1-3 shelf (WDM 22-11-39):

### **DM31207AA**

pin J3 . . . . .  
pin E7 . . . . .

### **DM22101AA**

pin E3  
pin A2

### **DM31207AC**

pin E7 . . . . .

### **DM22101AA**

pin F1

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.

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- 2) Re-install the AFDC-L, M22101. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this wiring check:
- (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the AFDC-R, M22201. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
  - (c) Do a wiring check between these pins of connector DM31207AA and DM31207AC at the E4-2 shelf and connector DM22201AA at E2-5 shelf (WDM 22-11-39):

**DM31207AA**

pin J3 . . . . . pin E3  
pin E7 . . . . . pin A2

**DM22201AA****DM31207AC**

pin E7 . . . . . pin F1

**DM22201AA**

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the AFDC-R, M22201. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (7) Do this wiring check:
- (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the AFDC-C, M22301. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
  - (c) Do a wiring check between these pins of connector DM31207AA and DM31207AC at the E4-2 shelf and connector DM22301AA at E4-1 shelf (WDM 22-11-39):

**DM31207AA**

pin J3 . . . . . pin E3  
pin E7 . . . . . pin A2

**DM22301AA****DM31207AC**

pin E7 . . . . . pin F1

**DM22301AA**

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- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the AFDC-C, M22301. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 917. WEU-L and WEU-R to Autopilot Disconnect Warning Signals Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-78155, 31-78156.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Do this wiring check:
- (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the AFDC-L, M22101. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
  - (c) Do a wiring check between these pins of connector DM31207AA and DM31207AC at the E4-2 shelf and connector DM22101AA at E1-3 shelf (WDM 22-11-39):

###### DM31207AA

pin J3 ..... pin E3  
pin E7 ..... pin A2

###### DM22101AA

###### DM31207AC

pin E7 ..... pin F1

###### DM22101AA

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the AFDC-L, M22101. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this wiring check:

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- (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Remove the AFDC-R, M22201. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
- (c) Do a wiring check between these pins of connector DM31207AA and DM31207AC at the E4-2 shelf and connector DM22201AA at E2-5 shelf (WDM 22-11-39):

| <b>DM31207AA</b> | <b>DM22201AA</b> |
|------------------|------------------|
| pin J3 . . . . . | pin E3           |
| pin E7 . . . . . | pin A2           |

| <b>DM31207AC</b> | <b>DM22201AA</b> |
|------------------|------------------|
| pin E7 . . . . . | pin F1           |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the AFDC-R, M22201. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this wiring check:
  - (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the AFDC-C, M22301. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
  - (c) Do a wiring check between these pins of connector DM31207AA and DM31207AC at the E4-2 shelf and connector DM22301AA at E4-1 shelf (WDM 22-11-39):

| <b>DM31207AA</b> | <b>DM22301AA</b> |
|------------------|------------------|
| pin J3 . . . . . | pin E3           |
| pin E7 . . . . . | pin A2           |

| <b>DM31207AC</b> | <b>DM22301AA</b> |
|------------------|------------------|
| pin E7 . . . . . | pin F1           |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the AFDC-C, M22301. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (4) Do this wiring check:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the AFDC-L, M22101. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
  - (c) Do a wiring check between these pins of connector DM31107AA and DM31107AC at the E1-5 shelf and connector DM22101AA at E1-3 shelf (WDM 22-11-39):

| <b>DM31107AA</b> | <b>DM22101AA</b> |
|------------------|------------------|
| pin J3 .....     | pin E3           |
| pin E7 .....     | pin A2           |

| <b>DM31107AC</b> | <b>DM22101AA</b> |
|------------------|------------------|
| pin E7 .....     | pin F1           |

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the AFDC-L, M22101. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
    - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this wiring check:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the AFDC-R, M22201. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
  - (c) Do a wiring check between these pins of connector DM31107AA and DM31107AC at the E1-5 shelf and connector DM22201AA shelf E2-5 (WDM 22-11-39):

| <b>DM31107AA</b> | <b>DM22201AA</b> |
|------------------|------------------|
| pin J3 .....     | pin E3           |
| pin E7 .....     | pin A2           |

| <b>DM31107AC</b> | <b>DM22201AA</b> |
|------------------|------------------|
| pin E7 .....     | pin F1           |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the AFDC-R, M22201. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the AFDC-C, M22301. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
  - (c) Do a wiring check between these pins of connector DM31107AA and DM31107AC at the E1-5 shelf and connector DM22301AA at E4-1 shelf (WDM 22-11-39):

**DM31107AA**

pin J3 . . . . . pin E3  
pin E7 . . . . . pin A2

**DM22301AA****DM31107AC**

pin E7 . . . . . pin F1

**DM22301AA**

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the AFDC-C, M22301. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (7) Replace the right warning electronic unit (WEU-R), M31207.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (8) Replace the left warning electronic unit (WEU-L), M31107.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 918. WEU-L APU Fire Voltage Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-78191, 31-78192.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the APU fire detection card, A09, in the left systems cardfile, P85.

These are the tasks:

APU Fire Control Card Removal, AMM TASK 26-15-03-000-801,

APU Fire Control Card Installation, AMM TASK 26-15-03-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the APU fire detection card, A09, in the left systems cardfile, P85. To remove it, do this task: APU Fire Control Card Removal, AMM TASK 26-15-03-000-801.
  - (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DP8509 (WDM 26-15-11):

**DM31107AC**

**DP8509**

pin H2 . . . . . pin 1

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
    - 3) Re-install the APU fire detection card, A09, in the left systems cardfile, P85. To install it, do this task: APU Fire Control Card Installation, AMM TASK 26-15-03-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 919. WEU-R APU Fire Voltage Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-78193, 31-78194.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the APU fire detection card, A09, in the left systems cardfile, P85.

These are the tasks:

APU Fire Control Card Removal, AMM TASK 26-15-03-000-801,

APU Fire Control Card Installation, AMM TASK 26-15-03-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this wiring check:
  - (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the APU fire detection card, A09, in the left systems cardfile, P85. To remove it, do this task: APU Fire Control Card Removal, AMM TASK 26-15-03-000-801.
  - (c) Do a wiring check between these pins of connector DM31207AC at the E4-2 shelf and connector DP8509 (WDM 26-15-11):

**DM31207AC**

**DP8509**

pin H2 . . . . . pin 1

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
    - 3) Re-install the APU fire detection card, A09, in the left systems cardfile, P85. To install it, do this task: APU Fire Control Card Installation, AMM TASK 26-15-03-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**920. WEU-L and WEU-R APU Fire Voltage Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-78195, 31-78196.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Do this wiring check:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the APU fire detection card, A09, in the left systems cardfile, P85. To remove it, do this task: APU Fire Control Card Removal, AMM TASK 26-15-03-000-801.
  - (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DP8509 (WDM 26-15-11):

|                  |               |
|------------------|---------------|
| <b>DM31107AC</b> | <b>DP8509</b> |
| pin H2 . . . . . | pin 1         |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the APU fire detection card, A09, in the left systems cardfile, P85. To install it, do this task: APU Fire Control Card Installation, AMM TASK 26-15-03-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this wiring check:
  - (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the APU fire detection card, A09, in the left systems cardfile, P85. To remove it, do this task: APU Fire Control Card Removal, AMM TASK 26-15-03-000-801.
  - (c) Do a wiring check between these pins of connector DM31207AC at the E4-2 shelf and connector DP8509 (WDM 26-15-11):

|                  |               |
|------------------|---------------|
| <b>DM31207AC</b> | <b>DP8509</b> |
| pin H2 . . . . . | pin 1         |

- (d) If you find a problem with the wiring, then do these steps:

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- 1) Repair the wiring.
  - 2) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the APU fire detection card, A09, in the left systems cardfile, P85. To install it, do this task: APU Fire Control Card Installation, AMM TASK 26-15-03-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the right warning electronic unit (WEU-R), M31207.
- These are the tasks:
- Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left warning electronic unit (WEU-L), M31107.
- These are the tasks:
- Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 921. WEU-L Engine Fire Detection Card Left Voltage Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-78211, 31-78212.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left warning electronic unit (WEU-L), M31107.
- These are the tasks:
- Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left fire detection card, A10, in the left systems cardfile, P85.
- These are the tasks:
- Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801,

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the left fire detection card, A10, in the left systems cardfile, P85. To remove it, do this task: Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801.
  - (c) Do a wiring check between these pins of connector DM31107AA at the E1-5 shelf and connector DP8508 (WDM 26-11-11):

|                  |               |
|------------------|---------------|
| <b>DM31107AA</b> | <b>DP8508</b> |
| pin D6 . . . . . | pin 43        |
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the left fire detection card, A10, in the left systems cardfile, P85. To install it, do this task: Engine Fire Detection Card Installation, AMM TASK 26-11-03-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 922. WEU-R Engine Fire Detection Card Left Voltage Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-78213, 31-78214.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left fire detection card, A10, in the left systems cardfile, P85.

These are the tasks:

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Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801,  
Engine Fire Detection Card Installation, AMM TASK 26-11-03-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this wiring check:
  - (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the left fire detection card, A10, in the left systems cardfile, P85. To remove it, do this task: Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801.
  - (c) Do a wiring check between these pins of connector DM31207AA at the E4-2 shelf and connector DP8508 (WDM 26-11-11):

|                  |               |
|------------------|---------------|
| <b>DM31207AA</b> | <b>DP8508</b> |
| pin D6 . . . . . | pin 43        |
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the left fire detection card, A10, in the left systems cardfile, P85. To install it, do this task: Engine Fire Detection Card Installation, AMM TASK 26-11-03-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

——— **END OF TASK** ———

### 923. WEU-L and WEU-R Engine Fire Detection Card Left Voltage Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-78215, 31-78216.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the left fire detection card, A10, in the left systems cardfile, P85. To remove it, do this task: Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801.
  - (c) Do a wiring check between these pins of connector DM31107AA at the E1-5 shelf and connector DP8508 (WDM 26-11-11):

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### DM31107AA

pin D6 . . . . . pin 43

### DP8508

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the left fire detection card, A10, in the left systems cardfile, P85. To install it, do this task: Engine Fire Detection Card Installation, AMM TASK 26-11-03-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (2) Do this wiring check:
- (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the left fire detection card, A10, in the left systems cardfile, P85. To remove it, do this task: Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801.
  - (c) Do a wiring check between these pins of connector DM31207AA at the E4-2 shelf and connector DP8508 (WDM 26-11-11):

### DM31207AA

pin D6 . . . . . pin 43

### DP8508

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the left fire detection card, A10, in the left systems cardfile, P85. To install it, do this task: Engine Fire Detection Card Installation, AMM TASK 26-11-03-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Replace the right warning electronic unit (WEU-R), M31207.
- These are the tasks:
- Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left warning electronic unit (WEU-L), M31107.
- These are the tasks:
- Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 924. WEU-L Engine Fire Detection Card Right Voltage Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-78231, 31-78232.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right fire detection card, A10, in the right systems cardfile, P84.
- These are the tasks:
- Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801,
- Engine Fire Detection Card Installation, AMM TASK 26-11-03-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this wiring check:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Remove the right fire detection card, A10, in the right systems cardfile, P84. To remove it, do this task: Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801.
- (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DP8408 (WDM 26-11-21):

**DM31107AC**

**DP8408**

pin D6 . . . . . pin 43

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 3) Re-install the right fire detection card, A10, in the right systems cardfile, P84. To install it, do this task: Engine Fire Detection Card Installation, AMM TASK 26-11-03-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 925. WEU-R Engine Fire Detection Card Right Voltage Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-78233, 31-78234.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right fire detection card, A10, in the right systems cardfile, P84.

These are the tasks:

Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801,  
Engine Fire Detection Card Installation, AMM TASK 26-11-03-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this wiring check:
  - (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the right fire detection card, A10, in the right systems cardfile, P84. To remove it, do this task: Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801.
  - (c) Do a wiring check between these pins of connector DM31207AC at the E4-2 shelf and connector DP8408 (WDM 26-11-21):

|                  |               |
|------------------|---------------|
| <b>DM31207AC</b> | <b>DP8408</b> |
| pin D6 . . . . . | pin 43        |
  - (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.

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- 2) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 3) Re-install the right fire detection card, A10, in the right systems cardfile, P84. To install it, do this task: Engine Fire Detection Card Installation, AMM TASK 26-11-03-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 926. WEU-L and WEU-R Engine Fire Detection Card Right Voltage Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-78235, 31-78236.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the right fire detection card, A10, in the right systems cardfile, P84. To remove it, do this task: Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801.
  - (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DP8408 (WDM 26-11-21):

| DM31107AC | DP8408 |
|-----------|--------|
| pin D6    | pin 43 |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the right fire detection card, A10, in the right systems cardfile, P84. To install it, do this task: Engine Fire Detection Card Installation, AMM TASK 26-11-03-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (2) Do this wiring check:
  - (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the right fire detection card, A10, in the right systems cardfile, P84. To remove it, do this task: Engine Fire Detection Card Removal, AMM TASK 26-11-03-000-801.
  - (c) Do a wiring check between these pins of connector DM31207AC at the E4-2 shelf and connector DP8408 (WDM 26-11-21):

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**DM31207AC**

pin D6 . . . . .

**DP8408**

pin 43

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the right fire detection card, A10, in the right systems cardfile, P84. To install it, do this task: Engine Fire Detection Card Installation, AMM TASK 26-11-03-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

## 927. Aural Arm L Channel 1 to Aural Enable R Channel 1 and 2 Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-78301, 31-78302.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.

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- (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DM31207AC at E4-2 shelf (WDM 31-51-12):

### DM31107AC

pin B4 .....  
pin B5 .....  
pin B6 .....  
pin B7 .....

### DM31207AC

pin B6  
pin B7  
pin B4  
pin B5

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (2) Replace the left warning electronic unit (WEU-L), M31107.
- These are the tasks:
- Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the right warning electronic unit (WEU-R), M31207.
- These are the tasks:
- Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

## 928. Aural Arm R Channel 1 to Aural Enable L Channel 1 and 2 Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-78303, 31-78304.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Do this wiring check:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.

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## 31-51 TASKS 927-928

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- (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DM31207AC at E4-2 shelf (WDM 31-51-12):

| DM31207AC | DM31107AC |
|-----------|-----------|
| pin B4    | pin B6    |
| pin B5    | pin B7    |
| pin B6    | pin B4    |
| pin B7    | pin B5    |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (2) Replace the right warning electronic unit (WEU-R), M31207.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the left warning electronic unit (WEU-L), M31107.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

## 929. MML Arm L Channel 1 to MML Enable R Channel 1 and 2 Problems - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-78311, 31-78312.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DM31207AC at E4-2 shelf (WDM 31-51-12):

#### DM31107AC

pin B4 . . . . .  
pin B5 . . . . .  
pin B6 . . . . .  
pin B7 . . . . .

#### DM31207AC

pin B6  
pin B7  
pin B4  
pin B5

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (2) Replace the left warning electronic unit (WEU-L), M31107.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the right warning electronic unit (WEU-R), M31207.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 930. MML Arm R Channel 1 to MML Enable L Channel 1 and 2 Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-78313, 31-78314.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DM31207AC at E4-2 shelf (WDM 31-51-22):

#### DM31207AC

pin B4 .....  
pin B5 .....  
pin B6 .....  
pin B7 .....

#### DM31107AC

pin B6  
pin B7  
pin B4  
pin B5

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (2) Replace the right warning electronic unit (WEU-R), M31207.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the left warning electronic unit (WEU-L), M31107.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

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### 931. WEU-L Channel 1 429 Bus Output Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-78321.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of wiring from the WEU-L to the coupler:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (c) Do a wiring check between these pins of connector DM31107AA at the E1-5 shelf and connector DM31207AA at E4-2 shelf (WDM 31-51-13):

#### DM31107AA

pin H7 . . . . . pin K6  
pin G7 . . . . . pin J6

#### DM31207AA

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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## 31-51 TASK 931

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### 932. WEU-L Channel 2 429 Bus Output Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-78322.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of wiring:
    - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
    - (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
    - (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DM31207AC at E4-2 shelf (WDM 31-51-13):

#### DM31107AC

pin H7 . . . . .  
pin G7 . . . . .

#### DM31207AC

pin K6  
pin J6

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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## 31-51 TASK 932

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## 777-200/300 FAULT ISOLATION MANUAL

### 933. WEU-R Channel 1 429 Bus Output Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-78323.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (c) Do a wiring check between these pins of connector DM31107AA at the E1-5 shelf and connector DM31207AA at E4-2 shelf (WDM 31-51-13):

#### DM31207AA

pin H7 . . . . .  
pin G7 . . . . .

#### DM31107AA

pin K6  
pin J6

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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## 31-51 TASK 933

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## 777-200/300 FAULT ISOLATION MANUAL

### 934. WEU-R Channel 2 429 Bus Output Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-78324.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
    - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
    - (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
    - (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DM31207AC at E4-2 shelf (WDM 31-51-13):

#### **DM31207AC**

pin H7 . . . . .

pin G7 . . . . .

#### **DM31107AC**

pin K6

pin J6

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

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## 31-51 TASK 934

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## 777-200/300 FAULT ISOLATION MANUAL

### 935. WEU-R No Input From WEU-L Channel 1 on ARINC 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79917.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Do this check of wiring:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (c) Do a wiring check between these pins of connector DM31107AA at the E1-5 shelf and connector DM31207AA at the E4-2 shelf (WDM 31-51-13):

##### DM31107AA

pin G7 . . . . .  
pin H7 . . . . .

##### DM31207AA

pin J6  
pin K6

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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## 31-51 TASK 935

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936. WEU-L No Input From WEU-R Channel 1 on ARINC 429 Bus - Fault Isolation

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79918.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Do this check of wiring:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (c) Do a wiring check between these pins of connector DM31107AA at the E1-5 shelf and connector DM31207AA at the E4-2 shelf (WDM 31-51-13):

**DM31207AA**

pin G7 . . . . .

pin H7 . . . . .

**DM31107AA**

pin J6

pin K6

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 5) If the MAT shows ACTIVE for the maintenance message, then continue.

- (2) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

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**31-51 TASK 936**

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## 777-200/300 FAULT ISOLATION MANUAL

### 937. Aural Enable Input Signals to WEU-L Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-78171, 31-78172.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this wiring check:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DM31207AC at E4-2 shelf (WDM 31-51-11):

#### DM31207AC

pin B4 . . . . .

pin B5 . . . . .

pin B6 . . . . .

pin B7 . . . . .

#### DM31107AC

pin B6

pin B7

pin B4

pin B5

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 938. Aural Enable Input Signals to WEU-R Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-78173, 31-78174.

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## 31-51 TASKS 937-938

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DM31207AC at E4-2 shelf (WDM 31-51-21):

#### DM31107AC

pin B4 .....  
pin B5 .....  
pin B6 .....  
pin B7 .....

#### DM31207AC

pin B6  
pin B7  
pin B4  
pin B5

- (d) If you find a problem with the wiring, then do these steps:
      - 1) Repair the wiring.
      - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
      - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
      - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

## 939. Aural Enable Input Signals to WEU-L Channel 1 and Channel 2 Problems - Fault Isolation

### A. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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## 31-51 TASKS 938-939

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## 777-200/300 FAULT ISOLATION MANUAL

### B. Fault Isolation Procedure

- (1) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DM31207AC at E4-2 shelf (WDM 31-51-11):

#### DM31207AC

pin B4 . . . . .  
pin B5 . . . . .  
pin B6 . . . . .  
pin B7 . . . . .

#### DM31107AC

pin B6  
pin B7  
pin B4  
pin B5

- (d) If you find a problem with the wiring, then do these steps:
      - 1) Repair the wiring.
      - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
      - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
      - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - (e) If the MAT shows ACTIVE for the maintenance message, then continue.
  - (2) Replace the left warning electronic unit (WEU-L), M31107.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
    - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
  - (3) Replace the right warning electronic unit (WEU-R), M31207.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
    - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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## 31-51 TASK 939

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## 777-200/300 FAULT ISOLATION MANUAL

### 940. Aural Enable Input Signals to WEU-R Channel 1 and Channel 2 Problems - Fault Isolation

#### A. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### B. Fault Isolation Procedure

- (1) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DM31207AC at E4-2 shelf (WDM 31-51-11):

| DM31107AC |       | DM31207AC |  |
|-----------|-------|-----------|--|
| pin B4    | ..... | pin B6    |  |
| pin B5    | ..... | pin B7    |  |
| pin B6    | ..... | pin B4    |  |
| pin B7    | ..... | pin B5    |  |

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
    - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right warning electronic unit (WEU-R), M31207.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the left warning electronic unit (WEU-L), M31107.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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## 31-51 TASK 940

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 941. WEU-R No Input From WEU-L Channel 2 on ARINC 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79919.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Do this check of wiring:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DM31207AC at the E4-2 shelf (WDM 31-51-13):

##### **DM31107AC**

pin G7 . . . . .

pin H7 . . . . .

##### **DM31207AC**

pin J6

pin K6

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left warning electronic unit (WEU-L), M31107.
- These are the tasks:
- Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,
- Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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## 31-51 TASKS 940-941

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 942. WEU-L No Input From WEU-R Channel 2 on ARINC 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79920.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Do this check of wiring:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (c) Do a wiring check between these pins of connector DM31107AC at the E1-5 shelf and connector DM31207AC at the E4-2 shelf (WDM 31-51-23):

##### **DM31207AC**

pin G7 .....

pin H7 .....

##### **DM31107AC**

pin J6

pin K6

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right warning electronic unit (WEU-R), M31207.
- These are the tasks:
- Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,
- Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**943. WEU-L Channel 2 No Input From WEU-R Channel 1 on WEU L1 IAP2 429 Bus - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79915.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of wiring:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (c) Do a wiring check between these pins of connector DM31107AA at the E1-5 shelf and connector DM31207AA at the E4-2 shelf (WDM 31-51-23):

**DM31207AA**

pin G7 . . . . .

pin H7 . . . . .

**DM31107AA**

pin J6

pin K6

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 944. WEU-R Channel 2 No Input From WEU-L Channel 1 on WEU R1 IAP2 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-79916.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of wiring:
    - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
    - (b) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
    - (c) Do a wiring check between these pins of connector DM31107AA at the E1-5 shelf and connector DM31207AA at the E4-2 shelf (WDM 31-51-13):

#### **DM31107AA**

pin G7

pin H7

#### **DM31207AA**

pin J6

pin K6

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

**945. ADIRS Pitch Attitude Is Out Of Range - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-83511, 31-83512, 31-83515, 31-83516.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the CPM/GG (M010) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/GG (M011) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the CPM/GG (M010) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the CPM/GG (M011) module in the right AIMS cabinet.

These are the tasks:

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Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the secondary attitude air data reference unit, M34002.

These are the tasks:

Secondary Attitude Air Data Reference Unit Removal, AMM TASK 34-21-02-000-801,

Secondary Attitude Air Data Reference Unit Installation, AMM TASK 34-21-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the air data inertial reference unit, M34001.

These are the tasks:

Air Data Inertial Reference Unit - Removal, AMM TASK 34-21-01-000-801,

Air Data Inertial Reference Unit - Installation, AMM TASK 34-21-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 946. DME Interrogator (Left) Distance Is Out Of Range - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-83513.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left DME interrogator, M34109.

These are the tasks:

DME Interrogator Removal, AMM TASK 34-55-01-000-801,

DME Interrogator Installation, AMM TASK 34-55-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/GG (M010) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

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Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the CPM/GG (M011) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the CPM/GG (M010) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the CPM/GG (M011) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 947. DME Interrogator (Right) Distance Is Out Of Range - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-83514.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Replace the right DME interrogator, M34209.

These are the tasks:

DME Interrogator Removal, AMM TASK 34-55-01-000-801,

DME Interrogator Installation, AMM TASK 34-55-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (2) Replace the CPM/GG (M010) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (3) Replace the CPM/GG (M011) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (4) Replace the CPM/GG (M010) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (5) Replace the CPM/GG (M011) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**948. TCAS Signals Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-83527, 31-83528.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the Traffic Alert & Collision Avoidance System (TCAS) computer, N34006.

These are the tasks:

TCAS Computer Removal, AMM TASK 34-45-01-000-801,

TCAS Computer Installation, AMM TASK 34-45-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (2) Replace the CPM/GG (M010) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (3) Replace the CPM/GG (M011) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (4) Replace the CPM/GG (M010) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

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TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the CPM/GG (M011) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 949. EICAS Message CONFIG SPOILERS - Fault Isolation

#### A. Description

- (1) This message shows when the Takeoff Warning Function is enabled and the Warning Electronic Unit (WEU) detects that the Speedbrake Handle is not in the DOWN Detent and Takeoff Thrust is selected on at least one engine.
- (2) Airplane Information Management System (AIMS) monitors N1 Speed for the two engines and if an engine exceeds a predetermined Takeoff Thrust Threshold value, it sends an output discrete to the WEU.

#### B. Possible Causes

- (1) Incorrect Speedbrake Handle setting for Takeoff

#### C. Fault Isolation Procedure

- (1) Set the Speedbrake Handle to DOWN to put the airplane in the correct Takeoff Configuration.

————— END OF TASK —————

### 950. EICAS Message CONFIG STABILIZER - Fault Isolation

#### A. Description

- (1) This message shows when the Takeoff Warning Function is enabled and the WEU detects that the Stabilizer is not positioned in the Takeoff Green Band Range and Takeoff Thrust is selected on at least one engine.
- (2) AIMS monitors N1 Speed for the two engines and if an engine exceeds a predetermined Takeoff Thrust Threshold value, it sends an output discrete to the WEU.

#### B. Possible Causes

- (1) Incorrect Stabilizer Setting for Takeoff

#### C. Fault Isolation Procedure

- (1) Set the Stabilizer to a correct setting for Takeoff.

————— END OF TASK —————

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**951. EICAS Message CONFIG FLAPS - Fault Isolation**

**A. Description**

- (1) This message shows when the Leading Edge (LE) and/or Trailing Edge (TE) Flaps are not in a takeoff position and Takeoff Thrust is selected on at least one engine.
- (2) AIMS monitors N1 Speed for the two engines and if an engine exceeds a predetermined Takeoff Thrust Threshold value, it sends an output discrete to the WEU.

**B. Possible Causes**

- (1) Incorrect Flap Setting for Takeoff

**C. Fault Isolation Procedure**

- (1) Put the flaps to a takeoff position to put the airplane in the correct Takeoff Configuration.

————— **END OF TASK** —————

**952. EICAS Message CONFIG RUDDER - Fault Isolation**

**A. Description**

- (1) This message shows when the Takeoff Warning Function is enabled and the WEU detects that the Rudder Trim is not within 2 units of Zero and Takeoff Thrust is selected on at least one engine.
- (2) AIMS monitors N1 Speed for the two engines and if an engine exceeds a predetermined Takeoff Thrust Threshold value, it sends an output discrete to the WEU.

**B. Possible Causes**

- (1) Incorrect Rudder Trim Setting for Takeoff

**C. Fault Isolation Procedure**

- (1) Set the Rudder Trim to Zero to put the airplane in the correct Takeoff Configuration.

————— **END OF TASK** —————

**953. EICAS Message CONFIG DOORS - Fault Isolation**

**A. Description**

- (1) This message shows when ALL Passenger and/or Cargo Doors are not closed and locked and Takeoff Thrust is selected on at least one engine.
- (2) AIMS monitors N1 Speed for the two engines and if an engine exceeds a predetermined Takeoff Thrust Threshold value, it sends an output discrete to the WEU.

**B. Possible Causes**

- (1) One or more Passenger Entry or Cargo Doors not closed/unlocked

**C. Fault Isolation Procedure**

- (1) Close and lock all Passenger and Cargo Doors to put the airplane in the correct Takeoff Configuration.

————— **END OF TASK** —————

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**954. EICAS Message CONFIG PARKING BRAKE - Fault Isolation**

**A. Description**

- (1) This message shows when the Takeoff Warning Function is enabled and the WEU detects that the Parking Brake is set and Takeoff Thrust is selected on at least one engine.
- (2) AIMS monitors N1 Speed for the two engines and if an engine exceeds a predetermined Takeoff Thrust Threshold value, it sends an output discrete to the WEU.

**B. Possible Causes**

- (1) Incorrect Parking Brake Setting for Takeoff

**C. Fault Isolation Procedure**

- (1) Release the Parking Brake to put the airplane in the correct Takeoff Configuration.

————— **END OF TASK** —————

**955. EICAS Message SPEEDBRAKE EXTENDED - Fault Isolation**

**A. Initial Evaluation**

NOTE: This message shows when the speed brake lever is beyond the armed detent and one or more of the following conditions exists:

- Radio altitude is between 800 and 15 feet.
- The flaps are in a landing position and the radio altitude is greater than 15 feet.
- One throttle lever is set above 41 degrees of TLA and the radio altitude is greater than 15 feet.

No maintenance action is necessary.

————— **END OF TASK** —————

**956. EICAS Message OVERSPEED - Fault Isolation**

**A. Initial Evaluation**

NOTE: This message shows when the airplane exceeds the maximum allowable operating speed (Vmo/Mmo).

- (1) Do this task: Severe or Unusual Turbulence, Excessive Maneuver, Buffet, or Speeds More than the Design Limits Conditional Inspection, AMM TASK 05-51-04-210-801.

————— **END OF TASK** —————

**957. EICAS Message VMO GEAR DOWN - Fault Isolation**

**A. Description**

- (1) This message shows when the ALTERNATE GEAR DOWN DISPATCH switch is set to the VMO position.

NOTE: The ALTERNATE GEAR DOWN DISPATCH switch is located on the right side of the lower Main Equipment Access Hatch.

**B. Fault Isolation Procedure**

- (1) Set the ALTERNATE GEAR DOWN DISPATCH switch to NORM to put the Stall Warning Management System back to Normal Mode.

————— **END OF TASK** —————

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**958. EICAS Message ALTITUDE ALERT - Fault Isolation**

**A. Initial Evaluation**

NOTE: This message shows when the airplane altitude is 200 feet above or below the mode control panel (MCP) selected altitude.

- (1) To put the altitude alert system back to the normal mode, set the selected altitude on the MCP to the airplane altitude.

————— **END OF TASK** —————

**959. WEU-L Channel 1 to Systems 629 Bus-L Communication Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-70031.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the ARINC 629 coupler, B31122, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-L channel 1 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31322, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-L channel 1 to the Systems 629 Bus-C1.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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**31-51 TASKS 958-959**

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- (4) Do this check of wiring from the WEU-L to the B31122 coupler in the P111 panel:

**NOTE:** This coupler connects the WEU-L channel 1 to the Systems 629 Bus-L.

- Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- Disconnect connector DB31122 from the coupler, B31122.
- Do a wiring check between these pins of connector DM31107AB at the E1-5 shelf and connector DB31122 at the P111 panel (WDM 31-51-13):

| DM31107AB | DB31122 |
|-----------|---------|
| pin 2T    | pin 2   |
| pin 2TR   | pin 1   |
| pin 5T    | pin 5   |
| pin 5TR   | pin 4   |

- If you find a problem with the wiring, then do these steps:
  - Replace the ARINC 629 wiring (SWPM 20-11-11).
  - Re-connect connector DB31122.
  - Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - If the MAT shows ACTIVE for the maintenance message, then continue.

- (5) Do this check of wiring from the WEU-L to the B31322 coupler in the P311 panel:

**NOTE:** This coupler connects the WEU-L channel 1 to the Systems 629 Bus-C1.

- Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- Disconnect connector DB31322 from the coupler, B31322.
- Do a wiring check between these pins of connector DM31107AB at the E1-5 shelf and connector DB31322 at the P311 panel (WDM 31-51-13):

| DM31107AB | DB31322 |
|-----------|---------|
| pin 3T    | pin 2   |
| pin 3TR   | pin 1   |
| pin 6T    | pin 5   |
| pin 6TR   | pin 4   |

- If you find a problem with the wiring, then do these steps:
  - Replace the ARINC wiring (SWPM 20-11-11).
  - Re-connect connector DB31322.
  - Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - If the MAT shows ACTIVE for the maintenance message, then continue.

- (6) Do this check of the program pin inputs to the WEU-L channel 1:

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- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Do a wiring check between these pins of connector DM31107AA and TB1501 at the E1-5 shelf (WDM 31-51-15):

| DM3107AA      | TB1501 |
|---------------|--------|
| pin F10 ..... | TB1501 |
| pin G10 ..... | TB1501 |
| pin H10 ..... | TB1501 |
| pin G2 .....  | TB1501 |
| pin G3 .....  | TB1501 |
| pin G4 .....  | TB1501 |

- (c) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring SWPM 20-11-11.
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 960. WEU-L Channel 2 to Systems 629 Bus-L Communication Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-70032.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the ARINC 629 coupler, B31323, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-L channel 2 to the Systems 629 Bus-C1.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31123, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-L channel 2 to the Systems 629 Bus-L.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the left warning electronic unit (WEU-L), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this check of wiring from the WEU-L to the B31123 coupler in the P111 panel:

NOTE: This coupler connects the WEU-L channel 2 to the Systems 629 Bus-L.

- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Disconnect connector DB31123 from the coupler, B31123.
- (c) Do a wiring check between these pins of connector DM31107AD at the E1-5 shelf and connector DB31123 at the P111 panel (WDM 31-51-13):

| DM31107AD | DB31123 |
|-----------|---------|
| pin 3T    | pin 2   |
| pin 3TR   | pin 1   |
| pin 6T    | pin 5   |
| pin 6TR   | pin 4   |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31123.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of wiring from the WEU-L to the B31323 coupler in the P311 panel:

NOTE: This coupler connects the WEU-L channel 2 to the Systems 629 Bus-C1.

  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Disconnect connector DB31323 from the coupler, B31323.
  - (c) Do a wiring check between these pins of connector DM31107AD at the E1-5 shelf and connector DB31323 at the P311 panel (WDM 31-51-13):

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| <b>DM31107AD</b> | <b>DB31323</b> |
|------------------|----------------|
| pin 2T .....     | pin 2          |
| pin 2TR .....    | pin 1          |
| pin 5T .....     | pin 5          |
| pin 5TR .....    | pin 4          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31323.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this check of the program pin inputs to the WEU-L channel 2:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Do a wiring check between these pins of connector DM31107AC and TB1501 at the E1-5 shelf (WDM 31-51-15):

| <b>DM31107AC</b> | <b>TB1501</b> |
|------------------|---------------|
| pin F10 .....    | TB1501        |
| pin G2 .....     | TB1501        |
| pin G3 .....     | TB1501        |
| pin G5 .....     | TB1501        |

- (c) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 961. WEU-R Channel 1 to Systems 629 Bus-R Communication Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-70033.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Replace the ARINC 629 coupler, B31222, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R channel 1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B31306, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

**NOTE:** This coupler connects the WEU-R channel 1 to the Systems 629 Bus-C1

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this check of wiring from the WEU-R to the B31222 coupler in the P211 panel:

**NOTE:** This coupler connects the WEU-R channel 1 to the Systems 629 Bus-R.

- (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Disconnect connector DB31222 from the coupler, B31222.
- (c) Do a wiring check between these pins of connector DM31207AB at the E4-2 shelf and connector DB31222 at the P211 panel (WDM 31-51-23):

| DM31207AB | DB31222 |
|-----------|---------|
| pin 2T    | pin 2   |
| pin 2TR   | pin 1   |
| pin 5T    | pin 5   |
| pin 5TR   | pin 4   |

- (d) If you find a problem with the wiring, then do these steps:

- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
- 2) Re-connect connector DB31222.
- 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of wiring from the WEU-R to the B31306 coupler in the P311 panel:

**NOTE:** This coupler connects the WEU-R channel 1 to the Systems 629 Bus-C1.

- (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Disconnect connector DB31306 from the coupler, B31306.
- (c) Do a wiring check between these pins of connector DM31207AB at the E4-2 shelf and connector DB31306 at the P311 panel (WDM 31-51-13):

| <b>DM31207AB</b> | <b>DB31306</b> |
|------------------|----------------|
| pin 3T .....     | pin 2          |
| pin 3TR .....    | pin 1          |
| pin 6T .....     | pin 5          |
| pin 6TR .....    | pin 4          |

- (d) If you find a problem with the wiring, then do these steps:
    - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
    - 2) Re-connect connector DB31306.
    - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
    - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this check of the program pin inputs to the WEU-R channel 1:
- (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Disconnect connector D4400P from D4400J.
  - (c) Do a wiring check between these pins of connector DM31207AA at the E4-2 shelf and TB4001 at the P205 panel (WDM 31-51-25):

| <b>DM31207AA</b> | <b>D4400P</b> | <b>TB4001</b> |
|------------------|---------------|---------------|
| pin F10 .....    | pin A11 ..... | TB4001        |
| pin G10 .....    | pin B11 ..... | TB4001        |
| pin F9 .....     | pin B12 ..... | TB4001        |
| pin G2 .....     | pin A13 ..... | TB4001        |
| pin G3 .....     | pin A12 ..... | TB4001        |
| pin G5 .....     | pin B13 ..... | TB4001        |

- (d) If you find a problem with the wiring, then do these steps:
  - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector D4400P.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**962. WEU-R Channel 2 to Systems 629 Bus-R Communication Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-70034.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the ARINC 629 coupler, B31307, in the P311 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-R channel 2 to the Systems 629 Bus-C1.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (2) Replace the ARINC 629 coupler, B31223, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the WEU-R channel 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (3) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (4) Do this check of wiring from the WEU-R to the B31323 coupler in the P211 panel:

NOTE: This coupler connects the WEU-R channel 2 to the Systems 629 Bus-R.

- (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Disconnect connector DB31223 from the coupler, B31223.

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- (c) Do a wiring check between these pins of connector DM31207AD at the E4-2 shelf and connector DB31223 at the P211 panel (WDM 31-51-23):

| DM31207AD     | DB31223 |
|---------------|---------|
| pin 3T .....  | pin 2   |
| pin 3TR ..... | pin 1   |
| pin 6T .....  | pin 5   |
| pin 6TR ..... | pin 4   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31223.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of wiring from the WEU-R to the B31307 coupler in the P311 panel:
- NOTE:** This coupler connects the WEU-R channel 2 to the Systems 629 Bus-C1.
- (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Disconnect connector DB31307 from the coupler, B31307.
- (c) Do a wiring check between these pins of connector DM31207AD at the E4-2 shelf and connector DB31307 at the P311 panel (WDM 31-51-23):

| DM31207AD     | DB31307 |
|---------------|---------|
| pin 2T .....  | pin 2   |
| pin 2TR ..... | pin 1   |
| pin 5T .....  | pin 5   |
| pin 5TR ..... | pin 4   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector DB31307.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this check of the program pin inputs to the WEU-R channel 2:
- (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Disconnect connector D4400P from D4400J.
- (c) Do a wiring check between these pins of connector DM31207AC at the E4-2 shelf and TB4001 at the P205 panel (WDM 31-51-25):

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| DM31207AC     | D4400P        | TB4001 |
|---------------|---------------|--------|
| pin F10 ..... | pin B14 ..... | TB4001 |
| pin H10 ..... | pin A15 ..... | TB4001 |
| pin F9 .....  | pin B15 ..... | TB4001 |
| pin G2 .....  | pin A16 ..... | TB4001 |
| pin G3 .....  | pin B16 ..... | TB4001 |
| pin H5 .....  | pin A17 ..... | TB4001 |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
  - 2) Re-connect connector D4400P.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 963. WEU-L Channel 1 to WEU Speaker-L Circuit Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-70035.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the left warning speaker, B31124.

These are the tasks:

Warning Speaker Removal, AMM TASK 31-51-02-000-801,

Warning Speaker Installation, AMM TASK 31-51-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left warning electronic unit (WEU-L), M31107.
- These are the tasks:
- Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,
- Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do a check for 28 VDC from pin 4 (+) of connector DB31124 to structure ground (WDM 31-51-11).

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- (a) If there is not 28 VDC at pin 4 of connector DB31124, then do these steps:
- 1) Open the P11 circuit breaker panel.
  - 2) Do a check for 28 VDC at the load terminal of the circuit breaker, C31001.
  - 3) If there is not 28 VDC at the circuit breaker, then do these steps (WDM 31-51-11):
    - a) Replace this circuit breaker:

**Overhead Circuit Breaker Panel, P11**

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>       |
|------------|------------|---------------|-------------------|
| C          | 1          | C31001        | WARNING SPEAKER-L |

- b) Re-connect connector DB31124.
  - c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 4) If there is 28 VDC at the circuit breaker, then do these steps:
- a) Repair the wiring between these pins of connector DB31124 at the left warning speaker, B31124, and the load terminal of circuit breaker C31001 (WDM 31-51-11):

| <b>DB31124</b>  | <b>C31001</b> |
|-----------------|---------------|
| pin 4 . . . . . | pin 4         |

- b) Re-connect connector DB31124.
  - c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If there is 28 VDC at pin 4 of connector DB31124, then continue.
- (4) Do this wiring check:
- (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the left warning speaker, B31124. To remove it, do this task: Warning Speaker Removal, AMM TASK 31-51-02-000-801.
  - (c) Do a wiring check between these pins of connector DM31107AA at the E1-5 shelf and connector DB31124 at the left warning speaker (WDM 31-51-11):

| <b>DM31107AA</b>  | <b>DB31124</b> |
|-------------------|----------------|
| pin A11 . . . . . | pin 3          |
| pin B11 . . . . . | pin 5          |
| pin 114 . . . . . | pin 6          |
| pin D1 . . . . .  | pin 8          |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-connect connector DB31124.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 964. WEU-R Channel 1 to WEU Speaker-R Circuit Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-70036.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right warning speaker, B31224.

These are the tasks:

Warning Speaker Removal, AMM TASK 31-51-02-000-801,

Warning Speaker Installation, AMM TASK 31-51-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right warning electronic unit (WEU-R), M31207.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.  
(a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.  
(b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do a check for 28 VDC from pin 4 (+) of connector DB31224 to structure ground (WDM 31-51-21).  
(a) If there is not 28 VDC at pin 4 of connector DB31224, then do these steps:

- 1) Open the P11 circuit breaker panel.
- 2) Do a check for 28 VDC at the load terminal of the circuit breaker, C31606.
- 3) If there is not 28 VDC at the circuit breaker, then do these steps (WDM 31-51-21):
  - a) Replace this circuit breaker:

#### **Overhead Circuit Breaker Panel, P11**

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u>       |
|------------|------------|---------------|-------------------|
| C          | 14         | C31606        | WARNING SPEAKER-R |

- b) Re-connect connector DB31224.
- c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 4) If there is 28 VDC at the circuit breaker, then do these steps:

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- a) Repair the wiring between these pins of connector DB31224 at the right warning speaker, B31224, and the load terminal of circuit breaker C31606 (WDM 31-51-21):

| DB31224         | C31606 |
|-----------------|--------|
| pin 4 . . . . . | pin 4  |

- b) Re-connect connector DB31224.
- c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If there is 28 VDC at pin 4 of connector DB31224, then continue.
- (4) Do this wiring check:
- (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Remove the right warning speaker, B31224. To remove it, do this task: Warning Speaker Removal, AMM TASK 31-51-02-000-801.
- (c) Do a wiring check between these pins of connector DM31207AA at the E4-2 shelf and connector DB31224 at the right warning speaker (WDM 31-51-21):

| DM31207AA         | DB31224 |
|-------------------|---------|
| pin A11 . . . . . | pin 3   |
| pin B11 . . . . . | pin 5   |
| pin 114 . . . . . | pin 6   |
| pin D1 . . . . .  | pin 8   |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-connect connector DB31224.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 965. WEU-L to Left Master Warning Light Circuit Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-70037.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left master warning light, L31101.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left warning electronic unit (WEU-L), M31107.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this wiring check:
  - (a) Remove the WEU-L, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
  - (b) Remove the left master warning light, L31101.
  - (c) Do a wiring check between these pins of connector DM31107AA at the E1-5 shelf and connector DL31101 at the left master warning light (WDM 31-51-11):

| DM31107AA        | DL31101 |
|------------------|---------|
| pin B2 . . . . . | pin 15  |
| pin D9 . . . . . | pin 3   |

- (d) Do a wiring check between pin 2 of connector DL31101 at the left master warning light to the structure ground (WDM 31-51-11).
- (e) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-connect connector DL31101.
  - 3) Re-install the WEU-L, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 966. WEU-R to Right Master Warning Light Circuit Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-70038.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right master warning light, L31201.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (2) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this wiring check:
- (a) Remove the WEU-R, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Remove the right master warning light, L31201.
- (c) Do a wiring check between these pins of connectors DM31207AA and DM31207AC at the E4-2 shelf and connector DL31201 at the right master warning light (WDM 31-51-21):

|                  |                |
|------------------|----------------|
| <b>DM31207AA</b> | <b>DL31201</b> |
| pin B2 . . . . . | pin 15         |

|                  |                |
|------------------|----------------|
| <b>DM31207AC</b> | <b>DL31201</b> |
| pin D9 . . . . . | pin 3          |

- (d) Do a wiring check between pin 2 of connector DL31201 at the right master warning light to the structure ground (WDM 31-51-21).
- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-connect connector DL31201.
  - 3) Re-install the WEU-R, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 967. WEU-R Channel 2 No Input From WEU-R Channel 1 on WEU Backplane 429 Bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-79908.

#### **B. Fault Isolation Procedure**

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right warning electronic unit (WEU-R), M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 968. EICAS Message CONFIG GEAR - Fault Isolation

#### A. Initial Evaluation

**NOTE:** This message shows when the landing gear is not down and locked and the flap handle position at 25 or more or the left or right thrustlever at idle with radio altitude less than 800 feet.

- (1) To put the airplane to the normal configuration, make sure the gear is down and locked before landing.

————— END OF TASK —————

### 969. Aural Warning Speaker (Left) on Flight Deck Does Not Operate - Fault Isolation

#### A. Initial Evaluation

- (1) Do this ground test on the MAT: 31 Warning Electronic System, System Test, Warning Electronic system.
- (a) If one or more maintenance message related to the aural warning speaker show on the ground test display, then do these steps:
- 1) Find each message in the Maintenance Message Index.
  - 2) Do the specified fault isolation task.
- (b) If no maintenance message shows on the ground test display, then there was an intermittent fault.

————— END OF TASK —————

### 970. Aural Warning Speaker (Right) on Flight Deck Does Not Operate - Fault Isolation

#### A. Initial Evaluation

- (1) Do this ground test on the MAT: 31 Warning Electronic System, System Test, Warning Electronic system.
- (a) If one or more maintenance message related to the aural warning speaker show on the ground test display, then do these steps:
- 1) Find each message in the Maintenance Message Index.
  - 2) Do the specified fault isolation task.
- (b) If no maintenance message shows on the ground test display, then there was an intermittent fault.

————— END OF TASK —————

### 971. WEU Does Not Receive Valid Data From ACIPS - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-72011, 31-72012.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the fault isolation procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) If the MAT shows ACTIVE for one of the maintenance messages, then do a replacement of the applicable WEU.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE, you corrected the fault.
- (2) If the MAT shows ACTIVE for two maintenance messages, then do these steps to isolate the fault.

- (a) Replace the left ACIPS card (P85A6) in the left system cardfile.

These are the tasks:

Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Removal, AMM TASK 30-21-01-000-801,

Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Installation, AMM TASK 30-21-01-400-801.

- (b) If the MAT shows NOT ACTIVE, you corrected the fault.
  - (c) If the MAT shows ACTIVE, then continue.
  - (d) Replace the right ACIPS card (P84A6) in the right system cardfile.

These are the tasks:

Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Removal, AMM TASK 30-21-01-000-801,

Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Installation, AMM TASK 30-21-01-400-801.

- (e) If the MAT shows NOT ACTIVE, you corrected the fault.
  - (f) If the MAT shows ACTIVE, then continue.
  - (g) Replace the center ACIPS card (P84A7) in the right system cardfile.

These are the tasks:

Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Removal, AMM TASK 30-21-01-000-801,

Airfoil and Cowl Ice Protection System Control Card - Engine Anti-Ice - Installation, AMM TASK 30-21-01-400-801.

- (h) If the MAT shows NOT ACTIVE, you corrected the fault.
  - (i) If the MAT shows ACTIVE, then continue.
  - (j) Replace the left ASG card (P85A12) in the left system cardfile.

These are the tasks:

ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,

ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.

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- (k) If the MAT shows NOT ACTIVE, you corrected the fault.
- (l) If the MAT shows ACTIVE, then continue.
- (m) Replace the right ASG card (P85A15) in the left system cardfile.  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (n) If the MAT shows NOT ACTIVE, you corrected the fault.
- (o) If the MAT shows ACTIVE, then continue.
- (p) Replace the left ASG card (P84A12) in the right system cardfile.  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (q) If the MAT shows NOT ACTIVE, you corrected the fault.
- (r) If the MAT shows ACTIVE, then continue.
- (s) Replace the right ASG card (P84A15) in the right system cardfile.  
These are the tasks:  
ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801,  
ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (t) If the MAT shows NOT ACTIVE, you corrected the fault.

### ————— END OF TASK —————

## 972. WEU Does Not Receive Valid Data From ADIRU and SAARU - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-72021, 31-72022.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the fault isolation procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) If the MAT shows ACTIVE for one of the maintenance messages, then do a replacement of the applicable WEU.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- (2) If the MAT shows ACTIVE for two maintenance messages, then do these steps to isolate the fault.
  - (a) Replace the ADIRU (M34001).  
These are the tasks:  
Air Data Inertial Reference Unit - Removal, AMM TASK 34-21-01-000-801,  
Air Data Inertial Reference Unit - Installation, AMM TASK 34-21-01-400-801.

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- (b) If the MAT shows NOT ACTIVE, you corrected the fault.
- (c) If the MAT shows ACTIVE, then continue.
- (d) Replace the SAARU (M34002).

These are the tasks:

Secondary Attitude Air Data Reference Unit Removal, AMM TASK 34-21-02-000-801,  
Secondary Attitude Air Data Reference Unit Installation, AMM TASK 34-21-02-400-801.

- (e) If the MAT shows NOT ACTIVE, you corrected the fault.
- (f) If the MAT shows ACTIVE, then continue.
- (g) Replace the left IOM-2 (M0008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (h) If the MAT shows NOT ACTIVE, you corrected the fault.
- (i) If the MAT shows ACTIVE, then continue.
- (j) Replace the right IOM-2 (M0008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (k) If the MAT shows NOT ACTIVE, you corrected the fault.

### — END OF TASK —

#### 973. WEU Does Not Receive Valid Data From AFDC - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-72031, 31-72032.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the fault isolation procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) If the MAT shows ACTIVE for one of the maintenance messages, then do a replacement of the applicable WEU.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE, you corrected the fault.
- (2) If the MAT shows ACTIVE for two maintenance messages, then do these steps to isolate the fault.
  - (a) Replace the left AFDC (M22101).

These are the tasks:

Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,

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Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.

- (b) If the MAT shows NOT ACTIVE, you corrected the fault.
- (c) If the MAT shows ACTIVE, then continue.
- (d) Replace the right AFDC (M22201).

These are the tasks:

Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,  
Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.

- (e) If the MAT shows NOT ACTIVE, you corrected the fault.
- (f) If the MAT shows ACTIVE, then continue.
- (g) Replace the center AFDC (M22301).

These are the tasks:

Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801,  
Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.

- (h) If the MAT shows NOT ACTIVE, you corrected the fault.

### ————— END OF TASK —————

#### 974. WEU Does Not Receive Valid Data From EDIU - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-72051, 31-72052.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the fault isolation procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) If the MAT shows ACTIVE for one of the maintenance messages, then do a replacement of the applicable WEU.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE, you corrected the fault.
- (2) If the MAT shows ACTIVE for two maintenance messages, then do these steps to isolate the fault.

- (a) Replace the left EDIU (M73103).

These are the tasks:

Engine Data Interface Unit (EDIU) Removal, AMM TASK 73-21-22-000-804-H00,  
Engine Data Interface Unit (EDIU) Installation, AMM TASK 73-21-22-400-808-H00.

- (b) If the MAT shows NOT ACTIVE, you corrected the fault.
- (c) If the MAT shows ACTIVE, then continue.
- (d) Replace the right EDIU (M73203).

These are the tasks:

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Engine Data Interface Unit (EDIU) Removal, AMM TASK 73-21-22-000-804-H00,  
Engine Data Interface Unit (EDIU) Installation, AMM TASK 73-21-22-400-808-H00.

- (e) If the MAT shows NOT ACTIVE, you corrected the fault.
- (f) If the MAT shows ACTIVE, then continue.
- (g) Replace the EEC (M73003).

These are the tasks:

EEC (FADEC) Removal, AMM TASK 73-21-15-000-801-H01,  
EEC (FADEC) Installation, AMM TASK 73-21-15-400-801-H01.

- (h) If the MAT shows NOT ACTIVE, you corrected the fault.

————— END OF TASK —————

### 975. WEU Does Not Receive Valid Engine Display Data From AIMS - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-72061, 31-72062.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the fault isolation procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) If the MAT shows ACTIVE for one of the maintenance messages, then do a replacement of the applicable WEU.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE, you corrected the fault.
- (2) If the MAT shows ACTIVE for two maintenance messages, then do these steps to isolate the fault.

- (a) Replace the IOM-1 (M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (b) If the MAT shows NOT ACTIVE, you corrected the fault.
- (c) If the MAT shows ACTIVE, then continue.
- (d) Replace the IOM-2 (M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (e) If the MAT shows NOT ACTIVE, you corrected the fault.
- (f) If the MAT shows ACTIVE, then continue.
- (g) Replace the IOM-3 (M004) in the left AIMS cabinet.

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These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (h) If the MAT shows NOT ACTIVE, you corrected the fault.
- (i) If the MAT shows ACTIVE, then continue.
- (j) Replace the IOM-1 (M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (k) If the MAT shows NOT ACTIVE, you corrected the fault.
- (l) If the MAT shows ACTIVE, then continue.
- (m) Replace the IOM-2 (M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (n) If the MAT shows NOT ACTIVE, you corrected the fault.
- (o) If the MAT shows ACTIVE, then continue.
- (p) Replace the IOM-3 (M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (q) If the MAT shows NOT ACTIVE, you corrected the fault.

————— **END OF TASK** —————

### 976. WEU Does Not Receive Valid FMC Data From AIMS - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-72081, 31-72082.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the fault isolation procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) If the MAT shows ACTIVE for the maintenance messages of only the left or right WEU, then do a replacement of the applicable WEU.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE, you corrected the fault.
- (2) If the MAT shows ACTIVE for the maintenance messages of the left and right WEUs, then do these steps to isolate the fault.

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- (a) Replace the CPM/STD (M002) in the left AIMS cabinet.  
These are the tasks:  
Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,  
Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.
- (b) If the MAT shows NOT ACTIVE, you corrected the fault.
- (c) If the MAT shows ACTIVE, then continue.
- (d) Replace the CPM/STD (M002) in the right AIMS cabinet.  
These are the tasks:  
Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,  
Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.
- (e) If the MAT shows NOT ACTIVE, you corrected the fault.
- (f) If the MAT shows ACTIVE, then continue.
- (g) Replace the IOM-1 (M009) in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (h) If the MAT shows NOT ACTIVE, you corrected the fault.
- (i) If the MAT shows ACTIVE, then continue.
- (j) Replace the IOM-2 (M008) in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (k) If the MAT shows NOT ACTIVE, you corrected the fault.
- (l) If the MAT shows ACTIVE, then continue.
- (m) Replace the IOM-3 (M004) in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (n) If the MAT shows NOT ACTIVE, you corrected the fault.
- (o) If the MAT shows ACTIVE, then continue.
- (p) Replace the IOM-1 (M009) in the right AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (q) If the MAT shows NOT ACTIVE, you corrected the fault.
- (r) If the MAT shows ACTIVE, then continue.
- (s) Replace the IOM-2 (M008) in the right AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

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Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (t) If the MAT shows NOT ACTIVE, you corrected the fault.
- (u) If the MAT shows ACTIVE, then continue.
- (v) Replace the IOM-3 (M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (w) If the MAT shows NOT ACTIVE, you corrected the fault.

————— **END OF TASK** —————

### 977. WEU Does Not Receive Valid Data From FSEU - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-72091, 31-72092.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the fault isolation procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) If the MAT shows ACTIVE for one of the maintenance messages, then do a replacement of the applicable WEU.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE, you corrected the fault.
- (2) If the MAT shows ACTIVE for two maintenance messages, then do these steps to isolate the fault.
  - (a) Replace the FSEU-1 (M27001).

These are the tasks:

Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801,

Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.

- (b) If the MAT shows NOT ACTIVE, you corrected the fault.
- (c) If the MAT shows ACTIVE, then continue.
- (d) Replace the FSEU-2 (M27002).

These are the tasks:

Flap/Slat Electronics Unit (FSEU) Removal, AMM TASK 27-51-01-000-801,

Flap/Slat Electronics Unit (FSEU) Installation, AMM TASK 27-51-01-400-801.

- (e) If the MAT shows NOT ACTIVE, you corrected the fault.

————— **END OF TASK** —————

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### 978. WEU Does Not Receive Valid Fuel Switch Data From AIMS - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-72111, 31-72112.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the fault isolation procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) If the MAT shows ACTIVE for one of the maintenance messages, then do a replacement of the applicable WEU.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE, you corrected the fault.
- (2) If the MAT shows ACTIVE for two maintenance messages, then do these steps to isolate the fault.

- (a) Replace the IOM-1 (M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (b) If the MAT shows NOT ACTIVE, you corrected the fault.
  - (c) If the MAT shows ACTIVE, then continue.
- (d) Replace the IOM-2 (M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (e) If the MAT shows NOT ACTIVE, you corrected the fault.
  - (f) If the MAT shows ACTIVE, then continue.
- (g) Replace the IOM-3 (M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (h) If the MAT shows NOT ACTIVE, you corrected the fault.
  - (i) If the MAT shows ACTIVE, then continue.
- (j) Replace the IOM-1 (M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (k) If the MAT shows NOT ACTIVE, you corrected the fault.

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- (l) If the MAT shows ACTIVE, then continue.
- (m) Replace the IOM-2 (M008) in the right AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (n) If the MAT shows NOT ACTIVE, you corrected the fault.
- (o) If the MAT shows ACTIVE, then continue.
- (p) Replace the IOM-3 (M004) in the right AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (q) If the MAT shows NOT ACTIVE, you corrected the fault.
- (r) If the MAT shows ACTIVE, then continue.
- (s) Replace the APU/EEC maintenance panel (M73002).
- (t) If the MAT shows NOT ACTIVE, you corrected the fault.

————— **END OF TASK** —————

### 979. WEU Does Not Receive Valid Data From MPC - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-72121, 31-72122.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the fault isolation procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) If the MAT shows ACTIVE for one of the maintenance messages, then do a replacement of the applicable WEU.  
These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (a) If the MAT shows NOT ACTIVE, you corrected the fault.
- (2) If the MAT shows ACTIVE for two maintenance messages, then do these steps to isolate the fault.
  - (a) Replace the MCP (M22016).  
These are the tasks:  
Mode Control Panel Removal, AMM TASK 22-11-02-000-801,  
Mode Control Panel Installation, AMM TASK 22-11-02-400-801.
  - (b) If the MAT shows NOT ACTIVE, you corrected the fault.
  - (c) If the MAT shows ACTIVE, then continue.
  - (d) Replace the IOM-1 (M009) in the left AIMS cabinet.

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These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (e) If the MAT shows NOT ACTIVE, you corrected the fault.
- (f) If the MAT shows ACTIVE, then continue.
- (g) Replace the IOM-2 (M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (h) If the MAT shows NOT ACTIVE, you corrected the fault.
- (i) If the MAT shows ACTIVE, then continue.
- (j) Replace the IOM-3 (M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (k) If the MAT shows NOT ACTIVE, you corrected the fault.
- (l) If the MAT shows ACTIVE, then continue.
- (m) Replace the IOM-1 (M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (n) If the MAT shows NOT ACTIVE, you corrected the fault.
- (o) If the MAT shows ACTIVE, then continue.
- (p) Replace the IOM-2 (M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (q) If the MAT shows NOT ACTIVE, you corrected the fault.
- (r) If the MAT shows ACTIVE, then continue.
- (s) Replace the IOM-3 (M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (t) If the MAT shows NOT ACTIVE, you corrected the fault.

————— **END OF TASK** —————

### 980. WEU Does Not Receive Valid PFC Data From AIMS - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-72131, 31-72132.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the fault isolation procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) If the MAT shows ACTIVE for one of the maintenance messages, then do a replacement of the applicable WEU.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE, you corrected the fault.
- (2) If the MAT shows ACTIVE for two maintenance messages, then do these steps to isolate the fault.

- (a) Replace the left PFC (M27106).

These are the tasks:

Primary Flight Computer (PFC) Removal, AMM TASK 27-02-01-000-801,

Primary Flight Computer (PFC) Installation, AMM TASK 27-02-01-400-802.

- (b) If the MAT shows NOT ACTIVE, you corrected the fault.
  - (c) If the MAT shows ACTIVE, then continue.
  - (d) Replace the right PFC (M27206).

These are the tasks:

Primary Flight Computer (PFC) Removal, AMM TASK 27-02-01-000-801,

Primary Flight Computer (PFC) Installation, AMM TASK 27-02-01-400-802.

- (e) If the MAT shows NOT ACTIVE, you corrected the fault.
  - (f) If the MAT shows ACTIVE, then continue.
  - (g) Replace the center PFC (M27306).

These are the tasks:

Primary Flight Computer (PFC) Removal, AMM TASK 27-02-01-000-801,

Primary Flight Computer (PFC) Installation, AMM TASK 27-02-01-400-802.

- (h) If the MAT shows NOT ACTIVE, you corrected the fault.
  - (i) If the MAT shows ACTIVE, then continue.
  - (j) Replace the IOM-1 (M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (k) If the MAT shows NOT ACTIVE, you corrected the fault.
  - (l) If the MAT shows ACTIVE, then continue.
  - (m) Replace the IOM-2 (M008) in the left AIMS cabinet.

These are the tasks:

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Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (n) If the MAT shows NOT ACTIVE, you corrected the fault.
- (o) If the MAT shows ACTIVE, then continue.
- (p) Replace the IOM-3 (M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (q) If the MAT shows NOT ACTIVE, you corrected the fault.
- (r) If the MAT shows ACTIVE, then continue.
- (s) Replace the IOM-1 (M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (t) If the MAT shows NOT ACTIVE, you corrected the fault.
- (u) If the MAT shows ACTIVE, then continue.
- (v) Replace the IOM-2 (M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (w) If the MAT shows NOT ACTIVE, you corrected the fault.
- (x) If the MAT shows ACTIVE, then continue.
- (y) Replace the IOM-3 (M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (z) If the MAT shows NOT ACTIVE, you corrected the fault.

————— **END OF TASK** —————

### 981. WEU Does Not Receive Valid Baro Corrected Altitude Data From AIMS - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-72161, 31-72162.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the fault isolation procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) If the MAT shows ACTIVE for one of the maintenance messages, then do a replacement of the applicable WEU.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE, you corrected the fault.

- (2) If the MAT shows ACTIVE for two maintenance messages, then do these steps to isolate the fault.

- (a) Replace the left EFIS control panel (M31102).

These are the tasks:

EFIS Control Panel Removal, AMM TASK 31-61-02-000-801,

EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.

- (b) If the MAT shows NOT ACTIVE, you corrected the fault.

- (c) If the MAT shows ACTIVE, then continue.

- (d) Replace the right EFIS control panel (M31202).

These are the tasks:

EFIS Control Panel Removal, AMM TASK 31-61-02-000-801,

EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.

- (e) If the MAT shows NOT ACTIVE, you corrected the fault.

- (f) If the MAT shows ACTIVE, then continue.

- (g) Replace the IOM-1 (M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (h) If the MAT shows NOT ACTIVE, you corrected the fault.

- (i) If the MAT shows ACTIVE, then continue.

- (j) Replace the IOM-2 (M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (k) If the MAT shows NOT ACTIVE, you corrected the fault.

- (l) If the MAT shows ACTIVE, then continue.

- (m) Replace the IOM-3 (M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (n) If the MAT shows NOT ACTIVE, you corrected the fault.

- (o) If the MAT shows ACTIVE, then continue.

- (p) Replace the IOM-1 (M009) in the right AIMS cabinet.

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These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (q) If the MAT shows NOT ACTIVE, you corrected the fault.
- (r) If the MAT shows ACTIVE, then continue.
- (s) Replace the IOM-2 (M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (t) If the MAT shows NOT ACTIVE, you corrected the fault.
- (u) If the MAT shows ACTIVE, then continue.
- (v) Replace the IOM-3 (M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (w) If the MAT shows NOT ACTIVE, you corrected the fault.

————— **END OF TASK** —————

### 982. WEU Does Not Receive Valid Data From PSEU-2 - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-72171, 31-72172.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the fault isolation procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) If the MAT shows ACTIVE for one of the maintenance messages, then do a replacement of the applicable WEU.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (2) If the MAT shows ACTIVE for two maintenance messages, then do these steps to isolate the fault.
  - (a) Replace the PSEU-2 (M32025).

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,  
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (b) If the MAT shows NOT ACTIVE, you corrected the fault.

————— **END OF TASK** —————

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### 983. WEU Does Not Receive Valid Data From PSEU-1 - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-72181, 31-72182.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the fault isolation procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) If the MAT shows ACTIVE for one of the maintenance messages, then do a replacement of the applicable WEU.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (2) If the MAT shows ACTIVE for two maintenance messages, then do these steps to isolate the fault.

- (a) Replace the PSEU-1 (M32021).

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (b) If the MAT shows NOT ACTIVE, you corrected the fault.

————— END OF TASK —————

### 984. WEU Does Not Receive Parking Brake Release Data From AIMS - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-72191, 31-72192.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the fault isolation procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) If the MAT shows ACTIVE for one of the maintenance messages, then do a replacement of the applicable WEU.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (2) If the MAT shows ACTIVE for two maintenance messages, then do these steps to isolate the fault.

- (a) Replace the left IOM-1 (M009) in the left AIMS cabinet.

These are the tasks:

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Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (b) If the MAT shows NOT ACTIVE, you corrected the fault.
- (c) If the MAT shows ACTIVE, then continue.
- (d) Replace the left IOM-2 (M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (e) If the MAT shows NOT ACTIVE, you corrected the fault.
- (f) If the MAT shows ACTIVE, then continue.
- (g) Replace the left IOM-3 (M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (h) If the MAT shows NOT ACTIVE, you corrected the fault.
- (i) If the MAT shows ACTIVE, then continue.
- (j) Replace the left IOM-1 (M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (k) If the MAT shows NOT ACTIVE, you corrected the fault.
- (l) If the MAT shows ACTIVE, then continue.
- (m) Replace the left IOM-2 (M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (n) If the MAT shows NOT ACTIVE, you corrected the fault.
- (o) If the MAT shows ACTIVE, then continue.
- (p) Replace the left IOM-3 (M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (q) If the MAT shows NOT ACTIVE, you corrected the fault.
- (r) If the MAT shows ACTIVE, then continue.
- (s) Replace the parking brake latch inboard switch (S32008).

These are the tasks:

Parking Brake Latch Switch Assembly Removal, AMM TASK 32-44-08-000-801,  
Parking Brake Latch Switch Installation, AMM TASK 32-44-08-400-801.

- (t) If the MAT shows NOT ACTIVE, you corrected the fault.

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- (u) If the MAT shows ACTIVE, then continue.
- (v) Replace the parking brake latch outboard switch (S32009).  
These are the tasks:  
Parking Brake Latch Switch Assembly Removal, AMM TASK 32-44-08-000-801,  
Parking Brake Latch Switch Installation, AMM TASK 32-44-08-400-801.
- (w) If the MAT shows NOT ACTIVE, you corrected the fault.

————— **END OF TASK** —————

### **985. WEU Does Not Receive Valid Radio Altimeter Data From AIMS - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-72201, 31-72202.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the fault isolation procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) If the MAT shows ACTIVE for one of the maintenance messages, then do a replacement of the applicable WEU.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (2) If the MAT shows ACTIVE for two maintenance messages, then do these steps to isolate the fault.

- (a) Replace the left RA transceiver (M34112).

These are the tasks:

Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801,

Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.

- (b) If the MAT shows NOT ACTIVE, you corrected the fault.

- (c) If the MAT shows ACTIVE, then continue.

- (d) Replace the right RA transceiver (M34212).

These are the tasks:

Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801,

Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.

- (e) If the MAT shows NOT ACTIVE, you corrected the fault.

- (f) If the MAT shows ACTIVE, then continue.

- (g) Replace the center RA transceiver (M34312).

These are the tasks:

Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801,

Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.

- (h) If the MAT shows NOT ACTIVE, you corrected the fault.

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- (i) If the MAT shows ACTIVE, then continue.
- (j) Replace the left IOM-1 (M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (k) If the MAT shows NOT ACTIVE, you corrected the fault.
- (l) If the MAT shows ACTIVE, then continue.
- (m) Replace the left IOM-2 (M008) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (n) If the MAT shows NOT ACTIVE, you corrected the fault.
- (o) If the MAT shows ACTIVE, then continue.
- (p) Replace the left IOM-3 (M004) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (q) If the MAT shows NOT ACTIVE, you corrected the fault.
- (r) If the MAT shows ACTIVE, then continue.
- (s) Replace the left IOM-1 (M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (t) If the MAT shows NOT ACTIVE, you corrected the fault.
- (u) If the MAT shows ACTIVE, then continue.
- (v) Replace the left IOM-2 (M008) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (w) If the MAT shows NOT ACTIVE, you corrected the fault.
- (x) If the MAT shows ACTIVE, then continue.
- (y) Replace the left IOM-3 (M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (z) If the MAT shows NOT ACTIVE, you corrected the fault.

————— **END OF TASK** —————

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### 986. WEU OPC Variable Is Out Of Range - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-72210.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Use the MAT to do a software configuration check (AMM TASK 31-51-00-730-801).
  - (a) If one or more of the part numbers are incorrect, install software in the WEU (AMM TASK 31-51-01-400-802).
  - (b) If the MAT shows NOT ACTIVE, you corrected the fault.
  - (c) If the MAT shows ACTIVE, then continue.
  - (d) Replace the left WEU (M31107).

These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (e) If the MAT shows NOT ACTIVE, you corrected the fault.
  - (f) If the MAT shows ACTIVE, then continue.
  - (g) Replace the right WEU (M31207).

These are the tasks:  
Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,  
Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
  - (h) If the MAT shows NOT ACTIVE, you corrected the fault.

————— **END OF TASK** —————

### 988. NO V1 AURAL DURING TAKEOFF - Fault Isolation

#### A. Initial Evaluation

NOTE: The ground test will make sure the warning speakers operate correctly.

- (1) Do this ground test on the MAT: 31 Warning Electronic System, System Test, Warning Electronic system.
  - (a) If one or more maintenance message related to the aural warning speaker show on the ground test display, then do these steps:
    - 1) Find each message in the Maintenance Message Index.
    - 2) Do the specified fault isolation task.
  - (b) If no maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.

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### B. Fault Isolation Procedure

(1) Do this check of the wiring:

- (a) Remove the GPWC, M34004. To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
- (b) Remove the IOM(M003) module from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Remove the IOM(M003) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (d) Do a wiring check between these pins of connector DM34004AB at the GPWC, M34004 and connector J240-A in the left AIMS cabinet (WDM 31-41-21).

| <b>DM34004AB</b>  | <b>J240-A</b> |
|-------------------|---------------|
| pin B11 . . . . . | pin G12       |
| pin A11 . . . . . | pin F11       |

- (e) Do a wiring check between these pins of connector DM34004AB at the GPWC, M34004 and connector J240-A in the right AIMS cabinet (WDM 31-41-23).

| <b>DM34004AB</b>  | <b>J240-A</b> |
|-------------------|---------------|
| pin A10 . . . . . | pin F11       |
| pin B10 . . . . . | pin G12       |

- (f) If you find any wiring problems, then do these steps to correct the fault:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) module in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the IOM(M003) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (g) If you do not find any wiring problems, then continue.

(2) Do this check of the wiring:

- (a) Remove the GPWC, M34004. To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
- (b) Remove the WEU-R and the WEU-L. To remove them, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (c) Do a wiring check between these pins of connector DM34004AB of the GPWC, M34004 and connector DM31207AA of the WEU-R, M31207 (WDM 34-46-12).

| <b>DM34004AB</b>  | <b>DM31207AA</b> |
|-------------------|------------------|
| pin C13 . . . . . | pin E11          |
| pin D13 . . . . . | pin F11          |

- (d) Do a wiring check between these pins of connector DM34004AB of the GPWC, M34004 and connector DM31107AA of the WEU-L, M31107 (WDM 34-46-12).

| <b>DM34004AB</b>  | <b>DM31107AA</b> |
|-------------------|------------------|
| pin C13 . . . . . | pin E11          |
| pin D13 . . . . . | pin F11          |

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- (e) If you find any wiring problems, then do these steps to correct the fault:
  - 1) Repair the wiring.
  - 2) Re-install the GPWC, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
  - 3) Re-install the WEU-R and the WEU-L. To install them, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

————— **END OF TASK** —————

### 989. **EICAS Message STAB GREENBAND - Fault Isolation**

#### **A. Initial Evaluation**

NOTE: This message can show after touchdown (during rollout or taxi in), and may be considered to be a nuisance message. No maintenance action is required.

NOTE: This message can show when the gross weight, center of gravity and takeoff thrust values that were entered in the FMC disagree with the stabilizer greenband nose gear pressure transducer.

#### **B. Fault Isolation Procedure - Nose Gear Pressure Transducer**

- (1) Do this task: Nose Landing Gear Shock Strut Servicing, AMM TASK 12-15-02-610-805-002.
  - (a) If the EICAS advisory message STAB GREENBAND does not show, then you corrected the fault.
  - (b) If the EICAS advisory message STAB GREENBAND shows, then continue.
- (2) Replace the stabilizer nose gear pressure transducer.

These are the tasks:

Nose Gear Pressure Transducer Removal, AMM TASK 27-48-07-000-803,  
Nose Gear Pressure Transducer Installation, AMM TASK 27-48-07-400-801.

  - (a) If the EICAS advisory message STAB GREENBAND does not show, then you corrected the fault.
  - (b) If the EICAS advisory message STAB GREENBAND shows, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the right HYDIM card, P84A17. To remove it, do this task: Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801.
  - (b) Disconnect connector DM29027 from the nose gear pressure transducer, M29027.
  - (c) Disconnect connector DP8412 from the right system card file, P84.
  - (d) Do a wiring check between these pins of connector DM29027 at the nose gear pressure transducer and connector DP8412 at the P84 panel (WDM 29-27-11):

| <b>DM29027</b> | <b>DP8412</b> |
|----------------|---------------|
| pin 2 .....    | pin 4         |
| pin 3 .....    | pin 3         |

- (e) Do a wiring check between pin 1 of connector DM29027 at the nose gear pressure transducer to the structure ground (WDM 29-27-11).
- (f) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-connect connectors DM29027 and DP8412.

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- 3) Re-install the right HYDIM card, P84A17. To install it, do this task: Hydraulic Interface Module (HYDIM) Cards Installation, AMM TASK 29-11-50-400-801.
- 4) If the EICAS advisory message STAB GREENBAND does not show, then you corrected the fault.

————— **END OF TASK** —————

### 990. WES Nose Gear Pressure Transducer Voltage Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-78020.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the nose gear pressure transducer, M29027.  
These are the tasks:  
Nose Gear Pressure Transducer Removal, AMM TASK 27-48-07-000-803,  
Nose Gear Pressure Transducer Installation, AMM TASK 27-48-07-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right hydraulic interface module (HYDIM) card, P84A17.  
These are the tasks:  
Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801,  
Hydraulic Interface Module (HYDIM) Cards Installation, AMM TASK 29-11-50-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the right HYDIM card, P84A17. To remove it, do this task: Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801.
  - (b) Disconnect connector DM29027 from the nose gear pressure transducer, M29027.
  - (c) Disconnect connector DP8412 from the right system card file, P84.
  - (d) Do a wiring check between these pins of connector DM29027 at the nose gear pressure transducer and connector DP8412 at the P84 panel (WDM 29-27-11):

#### DM29027

pin 2 ..... pin 4  
pin 3 ..... pin 3

#### DP8412

- (e) Do a wiring check between pin 1 of connector DM29027 at the nose gear pressure transducer to the structure ground (WDM 29-27-11).

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- (f) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-connect connectors DM29027 and DP8412.
  - 3) Re-install the right HYDIM card, P84A17. To install it, do this task: Hydraulic Interface Module (HYDIM) Cards Installation, AMM TASK 29-11-50-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**991. EICAS Message CONFIG GEAR STEERING - Fault Isolation**

**A. Description**

- (1) This message shows when the Takeoff Warning Function is enabled and the WEU detects that the Main Landing Gear Rear Steering is not Locked and Centered and Takeoff Thrust is selected on at least one engine with the Fuel Switch set to the RUN position.
- (2) AIMS monitors N1 Speed for the two engines and if an engine exceeds a predetermined Takeoff Thrust Threshold value, it sends an output discrete to the WEU.

**B. Possible Causes**

- (1) Incorrect Main Landing Gear Rear Steering Configuration for Takeoff

**C. Initial Evaluation**

- (1) If correlated maintenance messages did not show on the Maintenance Access Terminal (MAT), do the Fault Isolation Procedure below.
- (2) If correlated maintenance messages also showed on the MAT, first do the Fault Isolation Procedure below.
  - (a) If the problem continues, then refer to 31-MAINT MSG INDEX to find the applicable Fault Isolation Manual (FIM) Tasks for the correlated maintenance messages that show with the CONFIG GEAR STEERING Engine Indication and Crew Alerting System (EICAS) Message.

**D. Fault Isolation Procedure**

- (1) Make sure that the Main Landing Gear Rear Steering is Locked and Centered for correct Takeoff Configuration.

————— **END OF TASK** —————

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**802. Right AIMS Display Function (M010) Internal Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51562, 31-51572, 31-81052.

**B. Fault Isolation Procedure**

- (1) Replace the CPM/GG(M010) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**803. Left AIMS Display Function (M010) Internal S/W Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51563, 31-51573, 31-81041.

**B. Fault Isolation Procedure**

- (1) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M010) in Left AIMS Module Reset.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

**804. Right AIMS Display Function (M010) Internal S/W Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51564, 31-51574, 31-81042.

**B. Fault Isolation Procedure**

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M010) in Right AIMS Module Reset.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

**805. Left AIMS Display Function (M011) Internal Problems - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-51761, 31-51771, 31-82051.

**B. Fault Isolation Procedure**

- (1) Replace the CPM/GG(M011) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

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Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 806. Right AIMS Display Function (M011) Internal Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51762, 31-51772, 31-82052.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/GG(M011) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 807. Left AIMS Display Function (M011) Internal S/W Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51763, 31-51773, 31-82041.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M011) in Left AIMS Module Reset.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

### 808. Right AIMS Display Function (M011) Internal S/W Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51764, 31-51774, 31-82042.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M011) in Right AIMS Module Reset.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

### 809. Cursor Control Device-L No Output on ARINC 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-88897, 45-30028.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Remove the IOM(M003) module from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Remove the IOM(M004) module from the left AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Remove the IOM(M008) module from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Remove the IOM(M009) module from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Re-install the IOM(M003) module in the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (6) Re-install the IOM(M004) module in the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (7) Re-install the IOM(M008) module in the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (8) Re-install the IOM(M009) module in the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (9) Replace the left cursor control device, M31103.  
These are the tasks:  
Cursor Control Device Removal, AMM TASK 31-61-07-000-801,  
Cursor Control Device Installation, AMM TASK 31-61-07-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (10) Do a check of the wiring to the left cursor control device, M31103:
  - (a) Remove the left cursor control device, M31103. To remove it, do this task: Cursor Control Device Removal, AMM TASK 31-61-07-000-801.
  - (b) Disconnect connector D4961P from the left integration panel, P105.
  - (c) Do a wiring check between these pins of connector DM31103B at the left cursor control device, M31103, and connector D4961J at the left integration panel, P105 (WDM 31-61-18):

|                  |               |
|------------------|---------------|
| <b>DM31103B</b>  | <b>D4961J</b> |
| pin 21 . . . . . | pin B5        |
| pin 23 . . . . . | pin A5        |
  - (d) Repair any wiring problems you find.
  - (e) Re-connect D4961P.
  - (f) Re-install the left cursor control device, M31103. To install it, do this task: Cursor Control Device Installation, AMM TASK 31-61-07-400-801.
  - (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

——— END OF TASK ———

### 810. Cursor Control Device-R No Output on ARINC 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-88898, 45-30128.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Remove the IOM(M009) module from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Remove the IOM(M003) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (3) Remove the IOM(M004) module from the right AIMS cabinet. To remove it, do this task:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Re-install the IOM(M009) module in the left AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Re-install the IOM(M003) module in the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (6) Re-install the IOM(M004) module in the right AIMS cabinet. To install it, do this task:  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (7) Replace the right cursor control device, M31203.  
These are the tasks:  
Cursor Control Device Removal, AMM TASK 31-61-07-000-801,  
Cursor Control Device Installation, AMM TASK 31-61-07-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (8) Do a check of the wiring to the right cursor control device, M31203:
  - (a) Remove the right cursor control device, M31203. To remove it, do this task: Cursor Control Device Removal, AMM TASK 31-61-07-000-801.
  - (b) Disconnect connector D5685P from the right integration panel, P205.
  - (c) Do a wiring check between these pins of connector DM31203B at the right cursor control device, M31203, and connector D5685J at the right integration panel, P205 (WDM 31-61-18):

|                  |               |
|------------------|---------------|
| <b>DM31203B</b>  | <b>D5685J</b> |
| pin 21 . . . . . | pin B3        |
| pin 23 . . . . . | pin A3        |
  - (d) Repair any wiring problems you find.
  - (e) Re-connect D5685P.
  - (f) Re-install the right cursor control device, M31203. To install it, do this task: Cursor Control Device Installation, AMM TASK 31-61-07-400-801.
  - (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 811. Left AIMS Display Function (M010) S/W Config Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-81001, 31-81011.

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### B. Fault Isolation Procedure

- (1) Do a check of the system configuration for the left AIMS system on the MAT: 31 AIMS - Left AIMS.
  - (a) Find the CPM/GG(M010) in Left AIMS on the display and make sure that the software part numbers are correct:
  - (b) If the part numbers are incorrect, install software in the CPM/GG(M010) module in the left AIMS cabinet. To install the software, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 812. Right AIMS Display Function (M010) S/W Config Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-81002, 31-81012.

#### B. Fault Isolation Procedure

- (1) Do a check of the system configuration for the right AIMS system on the MAT: 31 AIMS - Right AIMS.
  - (a) Find the CPM/GG(M010) in right AIMS on the display and make sure that the software part numbers are correct:
  - (b) If the part numbers are incorrect, install software in the CPM/GG(M010) module in the right AIMS cabinet. To install the software, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 813. CPM/GG(M010) in Left AIMS has No Output on Coax - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-81081.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the CPM/GG(M010) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Coax Coupler, B31117.  
These are the tasks:  
Coaxial Coupler Removal, AMM TASK 31-61-11-000-801,  
Coaxial Coupler Installation, AMM TASK 31-61-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Use a time domain reflectometer (TDR) test set to do an electrical check of the coaxial cable between the coax coupler, B31117, and the CPM/GG(M010) module:
  - (a) Remove the CPM/GG(M010) module from the left AIMS cabinet. To remove it, do this task: Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801.
  - (b) Disconnect connector DB31117G from the coax coupler, B31117 (WDM 31-61-14).
  - (c) Connect the TDR test set to coaxial connector DB31117G (WDM 31-61-14):
  - (d) Do an electrical check of the coaxial cable.  
NOTE: The TDR test set has instructions which tell how to perform the check of the coaxial cable.
  - (e) Disconnect the TDR test set.
  - (f) Re-install the CPM/GG(M010) module in the left AIMS cabinet. To install it, do this task: Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
- (4) If you find a problem with the coaxial cable, do these steps:
  - (a) Replace the coaxial cable (WDM 31-61-14).
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (5) If you do not find a problem with the coaxial cable, do these steps:
  - (a) Re-install the coaxial cable (WDM 31-61-14).
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 814. Left AIMS Display Function (M011) S/W Config Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-82001, 31-82011.

#### B. Fault Isolation Procedure

- (1) Do a check of the system configuration for the left AIMS system on the MAT: 31 AIMS - Left AIMS.
  - (a) Find the CPM/GG(M011) in Left AIMS on the display and make sure that the software part numbers are correct:
  - (b) If the part numbers are incorrect, install software in the CPM/GG(M011) module in the left AIMS cabinet. To install it, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.

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- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 815. CPM/GG(M011) in Left AIMS has No Output on Coax - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-82081.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the CPM/GG module(M011) in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Coax Coupler, B31118.

These are the tasks:

Coaxial Coupler Removal, AMM TASK 31-61-11-000-801,

Coaxial Coupler Installation, AMM TASK 31-61-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Use a time domain reflectometer (TDR) test set to do an electrical check of the coaxial cable between the coax coupler, B31118, and the CPM/GG module(M011):
- (a) Remove the CPM/GG module(M011) from the left AIMS cabinet. To remove it, do this task: Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801.
- (b) Disconnect connector DB31118G from the coax coupler, B31118.
- (c) Connect the TDR test set to coaxial connector DB31118G (WDM 31-61-14).
- (d) Do an electrical check of the coaxial cable.

NOTE: The TDR test set has instructions which tell how to perform the check of the coaxial cable.

- (e) Disconnect the TDR test set.
- (f) Re-install the CPM/GG module(M011) in the left AIMS cabinet. To install it, do this task: Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

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- (4) If you find a problem with the coaxial cable, do these steps:
  - (a) Replace the coaxial cable (WDM 31-61-14).
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (5) If you do not find a problem with the coaxial cable, do these steps:
  - (a) Re-install the coaxial cable (WDM 31-61-14).
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 818. Display Select Panel CANC/RCL Switch Problems - Fault Isolation

#### A. Fault Isolation Procedure

- (1) Replace the display select panel, M31038.  
These are the tasks:  
Display Select Panel Removal, AMM TASK 31-61-03-000-801,  
Display Select Panel Installation, AMM TASK 31-61-03-400-801.
  - (a) If the CANC/RCL switch on the display select panel operates correctly, then you corrected the fault.

————— END OF TASK —————

### 819. Inboard Display Selector (Left, Right) Problems - Fault Isolation

#### A. Fault Isolation Procedure

- (1) Replace the captain's (first officer's) display switching panel, M31001 (M31002).  
These are the tasks:  
Display Switching Panel Removal, AMM TASK 31-61-06-000-801,  
Display Switching Panel Installation, AMM TASK 31-61-06-400-801.
  - (a) If the applicable display selector operates correctly, then you corrected the fault.

————— END OF TASK —————

### 822. Inbd/Outbd DU Manual Brightness Control Problems - Fault Isolation

#### A. Fault Isolation Procedure

- (1) Replace the captain's (first officer's) forward panel brightness/heater control panel, M33414 (M33415).
  - (a) If the brightness control switch operates correctly, then you corrected the fault.

————— END OF TASK —————

### 823. Left Outboard DU Decision Height Indication Problems - Fault Isolation

#### A. Fault Isolation Procedure

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS, 31 AIMS - Right AIMS, and 31 AIMS - Display Systems.
  - (a) If a maintenance message related to an AIMS IOM, or the Display System shows in Existing Faults, then do these steps:

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- 1) Find the message in the applicable FIM Maintenance Message Index.
- 2) Do the specified task for the maintenance message.
- (b) If a maintenance message related to an AIMS IOM, or the Display System does not show in Existing Faults, then continue.
- (2) Replace the left EFIS control panel, M31102.  
These are the tasks:  
EFIS Control Panel Removal, AMM TASK 31-61-02-000-801,  
EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.
- (a) If the decision height indication is OK, then you corrected the fault.

————— **END OF TASK** —————

### 824. Right Outboard DU Decision Height Indication Problems - Fault Isolation

#### A. **Fault Isolation Procedure**

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS, 31 AIMS - Right AIMS, and 31 AIMS - Display Systems.
  - (a) If a maintenance message related to an AIMS IOM, or the Display System shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS IOM, or the Display System does not show in Existing Faults, then continue.
- (2) Replace the right EFIS control panel, M31202.  
These are the tasks:  
EFIS Control Panel Removal, AMM TASK 31-61-02-000-801,  
EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.
- (a) If the decision height indication is OK, then you corrected the fault.

————— **END OF TASK** —————

### 827. Left EFIS Control Panel Problems - Fault Isolation

#### A. **Fault Isolation Procedure**

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS, 31 AIMS - Right AIMS, and 31 AIMS - Display Systems.
  - (a) If a maintenance message related to an AIMS IOM, or the Display System shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS IOM, or the Display System does not show in Existing Faults, then continue.
- (2) Replace the left EFIS control panel, M31102.  
These are the tasks:  
EFIS Control Panel Removal, AMM TASK 31-61-02-000-801,

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EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.

————— END OF TASK —————

### 828. Right EFIS Control Panel Problems - Fault Isolation

#### A. Fault Isolation Procedure

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS, 31 AIMS - Right AIMS, and 31 AIMS - Display Systems.
  - (a) If a maintenance message related to an AIMS IOM, or the Display System shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS IOM, or the Display System does not show in Existing Faults, then continue.
- (2) Replace the right EFIS control panel, M31202.

These are the tasks:

EFIS Control Panel Removal, AMM TASK 31-61-02-000-801,  
EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.

  - (a) If there is no EFIS control panel problems, then you corrected the fault.

————— END OF TASK —————

### 829. Left and Right AIMS Display Functions S/W Config Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-80010, 31-80020.

#### B. Fault Isolation Procedure

- (1) Do a check of the system configuration for the left AIMS system on the MAT: 31 AIMS - Left AIMS.
  - (a) Find these line replaceable modules (LRM) on the display and make sure that the software part numbers are correct:
    - 1) CPM/GG(M010) in Left AIMS
    - 2) CPM/GG(M011) in Left AIMS
  - (b) If the part numbers are incorrect, install software in the applicable LRM in the left AIMS cabinet: Core Processor Module/Graphics Generator Software Installation. To install the software, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (d) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the system configuration for the right AIMS system on the MAT: 31 AIMS - Right AIMS.
  - (a) Find these line replaceable modules (LRM) on the display and make sure that the software part numbers are correct:
    - 1) CPM/GG(M010) in Right AIMS
    - 2) CPM/GG(M011) in Right AIMS

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- (b) If the part numbers are incorrect, install software in the applicable LRM in the right AIMS cabinet: Core Processor Module/Graphics Generator Software Installation. To install the software, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### 830. CPM/GG(M010) in Right AIMS has No Output on Coax - Fault Isolation

##### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-81082.

##### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### **C. Fault Isolation Procedure**

- (1) Replace the CPM/GG(M010) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Coax Coupler, B31215.

These are the tasks:

Coaxial Coupler Removal, AMM TASK 31-61-11-000-801,

Coaxial Coupler Installation, AMM TASK 31-61-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Use a time domain reflectometer (TDR) test set to do an electrical check of the coaxial cable between the coax coupler, B31215, and the CPM/GG(M010) module:
  - (a) Remove the CPM/GG(M010) module from the right AIMS cabinet. To remove it, do this task: Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801.
  - (b) Disconnect connector DB31215G from the coax coupler, B31215 (WDM 31-61-14).
  - (c) Connect the TDR test set to coaxial connector DB31215G (WDM 31-61-14):
  - (d) Do an electrical check of the coaxial cable.

**NOTE:** The TDR test set has instructions which tell how to perform the check of the coaxial cable.

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- (e) Disconnect the TDR test set.
- (f) Re-install the CPM/GG(M010) module in the right AIMS cabinet. To install it, do this task: Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
- (4) If you find a problem with the coaxial cable, do these steps:
  - (a) Replace the coaxial cable (WDM 31-61-14).
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (5) If you do not find a problem with the coaxial cable, do these steps:
  - (a) Re-install the coaxial cable (WDM 31-61-14).
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 831. Right AIMS Display Function (M011) S/W Config Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-82002, 31-82012.

#### B. Fault Isolation Procedure

- (1) Do a check of the system configuration for the right AIMS system on the MAT: 31 AIMS - Right AIMS.
  - (a) Find the CPM/GG(M011) in Right AIMS on the display and make sure that the software part numbers are correct:
  - (b) If the part numbers are incorrect, install software in the CPM/GG(M011) module in the Right AIMS cabinet. To install it, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
  - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 832. CPM/GG(M011) in Right AIMS has No Output on Coax - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-82082.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the CPM/GG module(M011) in the right AIMS cabinet.  
These are the tasks:  
Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

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Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Coax Coupler, B31216.  
These are the tasks:  
Coaxial Coupler Removal, AMM TASK 31-61-11-000-801,  
Coaxial Coupler Installation, AMM TASK 31-61-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Use a time domain reflectometer (TDR) test set to do an electrical check of the coaxial cable between the coax coupler, B31216, and the CPM/GG module(M011):
  - (a) Remove the CPM/GG module(M011) from the right AIMS cabinet. To remove it, do this task: Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801.
  - (b) Disconnect connector DB31216G from the coax coupler, B31216 (WDM 31-61-14).
  - (c) Connect the TDR test set to coaxial connector DB31216G (WDM 31-61-14).
  - (d) Do an electrical check of the coaxial cable.  
NOTE: The TDR test set has instructions which tell how to perform the check of the coaxial cable.
  - (e) Disconnect the TDR test set.
  - (f) Re-install the CPM/GG module(M011) in the right AIMS cabinet. To install it, do this task: Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
- (4) If you find a problem with the coaxial cable, do these steps:
  - (a) Replace the coaxial cable (WDM 31-61-14).
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (5) If you do not find a problem with the coaxial cable, do these steps:
  - (a) Re-install the coaxial cable (WDM 31-61-14).
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 833. EFIS Control Panel-R No Output on ARINC 429 Bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-88890.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right EFIS control panel, M31202.

These are the tasks:

EFIS Control Panel Removal, AMM TASK 31-61-02-000-801,

EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring to the right EFIS control panel, M31202:
  - (a) Remove the right EFIS control panel, M31202. To remove it, do this task: EFIS Control Panel Removal, AMM TASK 31-61-02-000-801.
  - (b) Disconnect connector D4319P from the left integration panel, P105.
  - (c) Do a wiring check between these pins of connector DM31202B at the right EFIS control panel, M31202, and connector D4319J at the left integration panel, P105 (WDM 31-61-19):

|                 |       |               |
|-----------------|-------|---------------|
| <b>DM31202B</b> |       | <b>D4319J</b> |
| pin 7           | ..... | pin A2        |
| pin 8           | ..... | pin B2        |
  - (d) Repair any wiring problems you find.
  - (e) Re-connect D4319P.
  - (f) Re-install the right EFIS control panel, M31202. To install it, do this task: EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.
  - (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 834. Left Outboard DU has No Output on ARINC 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-88891.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left outboard display unit, N31101.

These are the tasks:

Display Unit Removal, AMM TASK 31-61-01-000-801,

Display Unit Installation, AMM TASK 31-61-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the left outboard DU, N31101. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - (b) Remove the IOM(M008) and IOM(M009) modules from the left AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DN31101AB at the P1-1 panel and connector J410-A in the left AIMS cabinet (WDM 31-61-16).

| <b>DN31101AB</b> |       | <b>J410-A</b> |
|------------------|-------|---------------|
| pin A3           | ..... | pin A9        |
| pin A4           | ..... | pin B9        |

- (d) Do a wiring check between these pins of connector DN31101AB at the P1-1 panel and connector J420-A in the left AIMS cabinet (WDM 31-61-16).

| <b>DN31101AB</b> |       | <b>J420-A</b> |
|------------------|-------|---------------|
| pin A3           | ..... | pin A9        |
| pin A4           | ..... | pin B9        |

- (e) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) and IOM(M009) modules in the left AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left outboard DU, N31101. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue.

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- (3) Re-install the IOM(M008) and IOM(M009) modules in the left AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the IOM(M008) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of connector DN31101AB at the P1-1 panel and connector J410-B in the right AIMS cabinet (WDM 31-61-16):

| DN31101AB |       | J410-B |  |
|-----------|-------|--------|--|
| pin A3    | ..... | pin A1 |  |
| pin A4    | ..... | pin B3 |  |

- (c) Repair any wiring problems you find.
- (d) Re-install the IOM(M008) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (e) Re-install the left outboard DU, N31101. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (f) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 835. Left Inboard DU has No Output on ARINC 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-88892.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left inboard display unit, N31102.

These are the tasks:

Display Unit Removal, AMM TASK 31-61-01-000-801,

Display Unit Installation, AMM TASK 31-61-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the left inboard DU, N31102. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.

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- (b) Remove the IOM(M003) and IOM(M004) modules from the left AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between these pins of connector DN31102AB at the P1-1 panel and connector J240-B in the left AIMS cabinet (WDM 31-61-16):

| <b>DN31102AB</b> | <b>J240-B</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A9        |
| pin A4 . . . . . | pin B9        |

- (d) Do a wiring check between these pins of connector DN31102AB at the P1-1 panel and connector J250-B in the left AIMS cabinet (WDM 31-61-16):

| <b>DN31102AB</b> | <b>J250-B</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A9        |
| pin A4 . . . . . | pin B9        |

- (e) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) and IOM(M004) modules in the left AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left inboard DU, N31102. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue.
- (3) Re-install the IOM(M003) and IOM(M004) modules in the left AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the IOM(M003) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of connector DN31102AB at the P1-1 panel and connector J240-B in the right AIMS cabinet (WDM 31-61-16):

| <b>DN31102AB</b> | <b>J240-B</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A4        |
| pin A4 . . . . . | pin B4        |

- (c) Repair any wiring problems you find.
- (d) Re-install the IOM(M003) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (e) Re-install the left outboard DU, N31102. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (f) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 836. Right Inboard DU has No Output on ARINC 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-88895.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right inboard display unit, N31202.

These are the tasks:

Display Unit Removal, AMM TASK 31-61-01-000-801,

Display Unit Installation, AMM TASK 31-61-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
    - (a) Remove the right inboard DU, N31202. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
    - (b) Remove the IOM(M003) and IOM(M004) modules from the left AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
    - (c) Do a wiring check between these pins of connector DN31102AB at the P1-1 panel and connector J240-B in the left AIMS cabinet (WDM 31-61-17):

#### DN31102AB

|        |       |        |
|--------|-------|--------|
| pin A3 | ..... | pin A9 |
| pin A4 | ..... | pin B9 |

#### J240-B

- (d) Do a wiring check between these pins of connector DN31102AB at the P1-1 panel and connector J250-B in the left AIMS cabinet (WDM 31-61-16):

#### DN31102AB

|        |       |        |
|--------|-------|--------|
| pin A3 | ..... | pin A9 |
| pin A4 | ..... | pin B9 |

#### J250-B

- (e) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) and IOM(M004) modules in the left AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- 3) Re-install the right inboard DU, N31202. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (f) If you do not find a problem with the wiring, then continue.
- (3) Re-install the IOM(M003) and IOM(M004) modules in the left AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Do this check of the wiring:
  - (a) Remove the IOM(M003) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (b) Do a wiring check between these pins of connector DN31102AB at the P1-1 panel and connector J240-B in the right AIMS cabinet (WDM 31-61-16):

| <b>DN31102AB</b> | <b>J240-B</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A4        |
| pin A4 . . . . . | pin B4        |
- (c) Repair any wiring problems you find.
- (d) Re-install the IOM(M003) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (e) Re-install the right outboard DU, N31202. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (f) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 837. Right Outboard DU has No Output on ARINC 429 Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-88896.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the right outboard display unit, N31201.

These are the tasks:

Display Unit Removal, AMM TASK 31-61-01-000-801,

Display Unit Installation, AMM TASK 31-61-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the right outboard DU, N31201. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
- (b) Remove the IOM(M008) and IOM(M009) modules from the right AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between these pins of connector DN31201AB at the P3-1 panel and connector J410-A in the right AIMS cabinet (WDM 31-61-17):

| <b>DN31201AB</b> | <b>J410-A</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A16       |
| pin A4 . . . . . | pin B16       |

- (d) Do a wiring check between these pins of connector DN31201AB at the P3-1 panel and connector J420-A in the right AIMS cabinet (WDM 31-61-17):

| <b>DN31201AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A16       |
| pin A4 . . . . . | pin B16       |

- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M008) and IOM(M009) modules in the right AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right outboard DU, N31201. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue.
- (3) Re-install the IOM(M008) and IOM(M009) modules in the right AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (4) Do this check of the wiring:
- (a) Remove the IOM(M008) module from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Do a wiring check between these pins of connector DN31201AB at the P3-1 panel and connector J410-A in the left AIMS cabinet (WDM 31-61-17):

| <b>DN31201AB</b> | <b>J410-A</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A8        |
| pin A4 . . . . . | pin B8        |

- (c) Repair any wiring problems you find.
- (d) Re-install the IOM(M008) module in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (e) Re-install the right outboard DU, N31201. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.

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- (f) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

**838. EFIS Control Panel-L No Output on ARINC 429 Bus - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-88899.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the left EFIS control panel, M31102.

These are the tasks:

EFIS Control Panel Removal, AMM TASK 31-61-02-000-801,

EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the wiring to the left EFIS control panel, M31102:
- (a) Remove the left EFIS control panel, M31102. To remove it, do this task: EFIS Control Panel Removal, AMM TASK 31-61-02-000-801.
- (b) Disconnect connector D5714P from the left integration panel, P105.
- (c) Do a wiring check between these pins of connector DM31102B at the left EFIS control panel, M31102, and connector J5714P at the left integration panel, P105 (WDM 31-61-19):

| DM31102B    | D4319P |
|-------------|--------|
| pin 7 ..... | pin A1 |
| pin 8 ..... | pin B1 |

- (d) Repair any wiring problems you find.
- (e) Re-connect D5714P.
- (f) Re-install the left EFIS control panel, M31102. To install it, do this task: EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.
- (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

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**FAULT ISOLATION MANUAL**

**839. AIMS-L Display Function no Input from Selected WXR Xcvr on WXR RT ARINC 453 Data Bus-1 or Data Bus-2 - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-89113, 31-89123.

**B. Fault Isolation Procedure**

- (1) Do this special function on the MAT to isolate the fault: 31 AIMS - Display System, OTHER, SYSTEM, CPM/GG(M010) in L-AIMS WXR Interface Check.
- (a) If a maintenance message related to a weather radar transceiver or to a AIMS module shows in Existing Faults, then do these steps:
- 1) Find the message in the applicable FIM Maintenance Message Index.
  - 2) Do the specified task for the maintenance message.

————— **END OF TASK** —————

**840. AIMS-R Display Function no Input from Selected WXR Xcvr on WXR RT ARINC 453 Data Bus-1 or Data Bus-2 - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-89114, 31-89124.

**B. Fault Isolation Procedure**

- (1) Do this special function on the MAT to isolate the fault: 31 AIMS - Display System, OTHER, SYSTEM, CPM/GG(M010) in R-AIMS WXR Interface Check.
- (a) If a maintenance message related to a weather radar transceiver or to a AIMS module shows in Existing Faults, then do these steps:
- 1) Find the message in the applicable FIM Maintenance Message Index.
  - 2) Do the specified task for the maintenance message.

————— **END OF TASK** —————

**841. AIMS-L Display Function no Input from Selected WXR Xcvr on WXR RT ARINC 453 Data Bus-1 or Data Bus-2 - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-89115, 31-89125.

**B. Fault Isolation Procedure**

- (1) Do this special function on the MAT to isolate the fault: 31 AIMS - Display System, OTHER, SYSTEM, CPM/GG(M011) in L-AIMS WXR Interface Check.
- (a) If a maintenance message related to a weather radar transceiver or to a AIMS module shows in Existing Faults, then do these steps:
- 1) Find the message in the applicable FIM Maintenance Message Index.
  - 2) Do the specified task for the maintenance message.

————— **END OF TASK** —————

**842. AIMS-R Display Function no Input from Selected WXR Xcvr on WXR RT ARINC 453 Data Bus-1 or Data Bus-2 - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-89116, 31-89126.

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### B. Fault Isolation Procedure

- (1) Do this special function on the MAT to isolate the fault: 31 AIMS - Display System, OTHER, SYSTEM, CPM/GG(M011) in R-AIMS WXR Interface Check.
  - (a) If a maintenance message related to a weather radar transceiver or to a AIMS module shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.

————— **END OF TASK** —————

### 843. AIMS-L Display Function no Input from Left Outboard DU on ARINC 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-89905.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M008) module in the left AIMS cabinet.

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M009) module in the left AIMS cabinet.

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the left outboard DU, N31101. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - (b) Remove the IOM(M008) and IOM(M009) modules from the left AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DN31101AB at the P1-1 panel and connector J410-A in the left AIMS cabinet (WDM 31-61-16).

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| DN31101AB    | J410-A |
|--------------|--------|
| pin A3 ..... | pin A9 |
| pin A4 ..... | pin B9 |

- (d) Do a wiring check between these pins of connector DN31101AB at the P1-1 panel and connector J420-A in the left AIMS cabinet (WDM 31-61-16).

| DN31101AB    | J420-A |
|--------------|--------|
| pin A3 ..... | pin A9 |
| pin A4 ..... | pin B9 |

- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M008) and IOM(M009) modules in the left AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left outboard DU, N31101. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue.
- (4) Re-install the IOM(M008) and IOM(M009) modules in the left AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Install a new left outboard display unit, N31101. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### 844. AIMS-R Display Function no Input from Left Outboard DU on ARINC 429 Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-89906.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M008) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

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Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the left outboard DU, N31101. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - (b) Remove the IOM(M008) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DN31101AB at the P1-1 panel and connector J410-B in the right AIMS cabinet (WDM 31-61-16):

| <b>DN31101AB</b> | <b>J410-B</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A1        |
| pin A4 . . . . . | pin B1        |
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left outboard DU, N31101. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the IOM(M008) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Install a new left outboard display unit, N31101. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### **845. AIMS-L Display Function no Input from Left Inboard DU on ARINC 429 Bus - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-89909.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (2) Replace the IOM(M004) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (3) Do this check of the wiring:

- (a) Remove the left inboard DU, N31102. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.

- (b) Remove the IOM(M003) and IOM(M004) modules from the left AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.

- (c) Do a wiring check between these pins of connector DN31102AB at the P1-1 panel and connector J240-B in the left AIMS cabinet (WDM 31-61-16):

| <b>DN31102AB</b> |       | <b>J240-B</b> |
|------------------|-------|---------------|
| pin A3           | ..... | pin A9        |
| pin A4           | ..... | pin B9        |

- (d) Do a wiring check between these pins of connector DN31102AB at the P1-1 panel and connector J250-B in the left AIMS cabinet (WDM 31-61-16):

| <b>DN31102AB</b> |       | <b>J250-B</b> |
|------------------|-------|---------------|
| pin A3           | ..... | pin A9        |
| pin A4           | ..... | pin B9        |

- (e) If you find a problem with the wiring, then do these steps:

- 1) Repair the wiring.
- 2) Re-install the IOM(M003) and IOM(M004) modules in the left AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the left inboard DU, N31102. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue.
- (4) Re-install the IOM(M003) and IOM(M004) modules in the left AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Install a new left inboard display unit (DU), N31102. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### 846. AIMS-R Display Function no Input from Left Inboard DU on ARINC 429 Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-89910.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) module in the right AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the left inboard display unit(DU), N31102. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - (b) Remove the IOM(M003) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DN31102AB at the P1-1 panel and connector J240-B in the right AIMS cabinet (WDM 31-61-16):

##### **DN31102AB**

pin A3 . . . . . pin A4  
pin A4 . . . . . pin B4

##### **J240-B**

- (d) If you find a problem with the wiring, then do these steps:

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- 1) Repair the wiring.
  - 2) Re-install the IOM(M003) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left inboard DU, N31102. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the IOM(M003) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (4) Install a new left inboard DU, N31102. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### **847. AIMS-L Display Function no Input from Center Upper DU on ARINC 429 Bus - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-89913.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) module in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M004) module in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (3) Do this check of the wiring:
- (a) Remove the center upper display unit(DU), N31301. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - (b) Remove the IOM(M003) and IOM(M004) modules from the left AIMS cabinets. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DN31301AB at the P2 panel and connector P3-B in the left AIMS cabinet (WDM 31-61-16):

| DN31301AB | P3-B   |
|-----------|--------|
| pin A3    | pin D8 |
| pin A4    | pin D9 |

- (d) Do a wiring check between these pins of connector DN31301AB at the P2 panel and connector J250-B in the left AIMS cabinet (WDM 31-61-16):

| DN31301AB | J250-B |
|-----------|--------|
| pin A3    | pin A9 |
| pin A4    | pin B9 |

- (e) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) and IOM(M004) modules in the left AIMS cabinets. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the center upper DU, N31301. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue.
- (4) Re-install the IOM(M003) and IOM(M004) modules in the left AIMS cabinets. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Install a new center upper DU, N31301. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 848. AIMS-R Display Function no Input from Center Upper DU on ARINC 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-89914.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (2) Replace the IOM(M004) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (3) Do this check of the wiring:

- (a) Remove the center upper display unit(DU), N31301. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.

- (b) Remove the IOM(M003) and IOM(M004) modules from the right AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.

- (c) Do a wiring check between these pins of connector DN31301AB at the P2 panel and connector J240-B in the right AIMS cabinet (WDM 31-61-16):

| <b>DN31301AB</b> | <b>J240-B</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A9        |
| pin A4 . . . . . | pin B9        |

- (d) Do a wiring check between these pins of connector DN31301AB at the P2 panel and connector J250-B in the right AIMS cabinet (WDM 31-61-16):

| <b>DN31301AB</b> | <b>J250-B</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A9        |
| pin A4 . . . . . | pin B9        |

- (e) If you find a problem with the wiring, then do these steps:

- 1) Repair the wiring.
- 2) Re-install the IOM(M003) and IOM(M004) modules in the right AIMS cabinets. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the center upper DU, N31301. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue.
- (4) Re-install the IOM(M003) and IOM(M004) modules in the right AIMS cabinets. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Install a new center upper DU, N31301. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### 849. AIMS-L Display Function no Input from Center Lower DU on ARINC 429 Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-89917.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M008) module in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M009) module in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the center lower display unit(DU), N31302. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - (b) Remove the IOM(M008) and IOM(M009) modules from the left AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.

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- (c) Do a wiring check between these pins of connector DN31302AB at the P2 panel and connector J410-A in the left AIMS cabinet (WDM 31-61-17):

| <b>DN31302AB</b> | <b>J410-A</b> |
|------------------|---------------|
| pin A3 .....     | pin A16       |
| pin A4 .....     | pin B16       |

- (d) Do a wiring check between these pins of connector DN31302AB at the P2 panel and connector J420-A in the left AIMS cabinet (WDM 31-61-17):

| <b>DN31302AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin A3 .....     | pin A16       |
| pin A4 .....     | pin B16       |

- (e) If you find a problem with the wiring, then do these steps:

- 1) Repair the wiring.
- 2) Re-install the IOM(M008) and IOM(M009) modules in the left AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the center lower DU, N31302. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

- (f) If you do not find a problem with the wiring, then continue.

- (4) Re-install the IOM(M008) and IOM(M009) modules in the left AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (5) Install a new center lower DU, N31302. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 850. AIMS-R Display Function no Input from Center Lower DU on ARINC 429 Bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-89918.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M008) module in the right AIMS cabinet.

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These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M009) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
- (a) Remove the center lower display unit(DU), N31302. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - (b) Remove the IOM(M008) and IOM(M009) modules from the right AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DN31302AB at the P2 panel and connector J410-B in the right AIMS cabinet (WDM 31-61-17):

| <b>DN31302AB</b> | <b>J410-B</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A11       |
| pin A4 . . . . . | pin B11       |

- (d) Do a wiring check between these pins of connector DN31302AB at the P2 panel and connector J420-B in the right AIMS cabinet (WDM 31-61-17):

| <b>DN31302AB</b> | <b>J420-B</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A11       |
| pin A4 . . . . . | pin B11       |

- (e) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.
    - 2) Re-install the IOM(M008) and IOM(M009) modules in the right AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
    - 3) Re-install the center lower DU, N31302. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
    - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (f) If you do not find a problem with the wiring, then continue.
- (4) Install a new center lower DU, N31302. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 851. AIMS-L Display Function no Input from Right Inboard DU on ARINC 429 Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-89921.

##### B. Initial Evaluation

- (1) AIMS CPM/COMM OPS S/W -07 (IF INSTALLED) ;  
If the maintenance message shows without a correlated flight deck effect, then no maintenance action is necessary.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (3) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the IOM(M003) module from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the right inboard display unit (DU), N31202. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
- (c) Do a wiring check between these pins of connector DN31202AB at the P3-1 panel and connector J240-B in the left AIMS cabinet (WDM 31-61-17):

#### DN31202AB

pin A3 . . . . . pin A4  
pin A4 . . . . . pin B4

#### J240-B

- (d) If you find a problem with the wiring, then do these steps:

- 1) Repair the wiring.
- 2) Re-install the IOM(M003) module in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- 3) Re-install the right inboard DU, N31202. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Re-install the IOM(M003) module in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Install a new right inboard DU, N31202. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 852. AIMS-R Display Function no Input from Right Inboard DU on ARINC 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-89922.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M004) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the right inboard display unit(DU), N31202. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.

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- (b) Remove the IOM(M003) and IOM(M004) modules from the right AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between these pins of connector DN31202AB at the P3-1 panel and connector J240-B in the right AIMS cabinet (WDM 31-61-17):

| <b>DN31202AB</b> | <b>J240-B</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A9        |
| pin A4 . . . . . | pin B9        |

- (d) Do a wiring check between these pins of connector DN31202AB at the P3-1 panel and connector J250-B in the right AIMS cabinet (WDM 31-61-17):

| <b>DN31202AB</b> | <b>J250-B</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A9        |
| pin A4 . . . . . | pin B9        |

- (e) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) and IOM(M004) modules in the right AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right inboard DU, N31202. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue.
- (4) Re-install the IOM(M003) and IOM(M004) modules in the right AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Install a new right inboard DU, N31202. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 853. AIMS-L Display Function no Input from Right Outboard DU on ARINC 429 Bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-89925.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M008) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the right outboard display unit(DU), N31201. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
- (b) Remove the IOM(M008) module from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between these pins of connector DN31201AB at the P3-1 panel and connector J410-A in the left AIMS cabinet (WDM 31-61-17):
- | DN31201AB | J410-A |
|-----------|--------|
| pin A3    | pin A8 |
| pin A4    | pin B8 |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the IOM(M008) module in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the right outboard DU, N31201. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the IOM(M008) module in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Install a new right outboard DU, N31201. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 854. AIMS-R Display Function no Input from Right Outboard DU on ARINC 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-89926.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M008) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M009) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the right outboard display unit(DU), N31201. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - (b) Remove the IOM(M008) and IOM(M009) modules from the right AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DN31201AB at the P3-1 panel and connector J410-A in the right AIMS cabinet (WDM 31-61-17):

| <b>DN31201AB</b> | <b>J410-A</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A16       |
| pin A4 . . . . . | pin B16       |

- (d) Do a wiring check between these pins of connector DN31201AB at the P3-1 panel and connector J420-A in the right AIMS cabinet (WDM 31-61-17):

| <b>DN31201AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A16       |
| pin A4 . . . . . | pin B16       |

- (e) If you find a problem with the wiring, then do these steps:
    - 1) Repair the wiring.

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- 2) Re-install the IOM(M008) and IOM(M009) modules in the right AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the right outboard DU, N31201. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (f) If you do not find a problem with the wiring, then continue.
- (4) Re-install the IOM(M008) and IOM(M009) modules in the right AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Install a new right outboard DU, N31201. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### 855. AIMS-L Display Function no Input from Left EFIS CP on ARINC 429 Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-89929.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M008) module in the left AIMS cabinet.

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M009) module in the left AIMS cabinet.

These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (3) Do this check of the wiring:
- (a) Remove the left EFIS control panel (EFIS CP), M31102. To remove it, do this task: EFIS Control Panel Removal, AMM TASK 31-61-02-000-801.
  - (b) Remove the IOM(M008) and IOM(M009) modules from the left AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DM31102AB at the glareshield center panel, P55 and connector J410-B in the left AIMS cabinet (WDM 31-61-19):

| DM31102AB   | J410-B |
|-------------|--------|
| pin 7 ..... | pin A9 |
| pin 8 ..... | pin B9 |

- (d) Do a wiring check between these pins of connector DM31102AB at the glareshield center panel, P55 and connector J420-B in the left AIMS cabinet (WDM 31-61-19):

| DM31102AB   | J420-B |
|-------------|--------|
| pin 7 ..... | pin A9 |
| pin 8 ..... | pin B9 |

- (e) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M008) and IOM(M009) modules in the left AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left EFIS CP, M31102. To install it, do this task: EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue.
- (4) Re-install the IOM(M008) and IOM(M009) modules in the left AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Install a new left EFIS CP, M31102. To install it, do this task: EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 856. AIMS-R Display Function no Input from Left EFIS CP on ARINC 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-89930.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M004) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the left EFIS control panel (EFIS CP), M31102. To remove it, do this task: EFIS Control Panel Removal, AMM TASK 31-61-02-000-801.
- (b) Remove the IOM(M004) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between these pins of connector DM31102AB at the glareshield center panel, P55 and connector J250-A in the right AIMS cabinet (WDM 31-61-19):
- | DM31102AB       | J250-A |
|-----------------|--------|
| pin 7 . . . . . | pin A8 |
| pin 8 . . . . . | pin B8 |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the IOM(M004) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the left EFIS CP, M31102. To install it, do this task: EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the IOM(M004) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Install a new left EFIS CP, M31102. To install it, do this task: EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 857. AIMS-L Display Function no Input from Right EFIS CP on ARINC 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-89933.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M004) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the right EFIS control panel (EFIS CP), M31202. To remove it, do this task: EFIS Control Panel Removal, AMM TASK 31-61-02-000-801.
  - (b) Remove the IOM(M004) module from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DM31202AB at the glareshield center panel, P55 and connector J250-B in the left AIMS cabinet (WDM 31-61-19):

| DM31202AB       | J250-B |
|-----------------|--------|
| pin 7 . . . . . | pin A1 |
| pin 8 . . . . . | pin B1 |
- (d) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M004) module in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right EFIS CP, M31202. To install it, do this task: EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the IOM(M004) module in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Install a new right EFIS CP, M31202. To install it, do this task: EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**858. AIMS-R Display Function no Input from Right EFIS CP on ARINC 429 Bus - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-89934.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M008) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M009) module in the right AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,
- Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
- (a) Remove the right EFIS control panel (EFIS CP), M31202. To remove it, do this task: EFIS Control Panel Removal, AMM TASK 31-61-02-000-801.
- (b) Remove the IOM(M008) and IOM(M009) modules from the right AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between these pins of connector DM31202AB at the glareshield center panel, P55 and connector J410-B in the right AIMS cabinet (WDM 31-61-19):

**DM31202AB**

pin 7 ..... pin A9  
pin 8 ..... pin B9

**J410-B**

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- (d) Do a wiring check between these pins of connector DM31202AB at the glareshield center panel, P55 and connector J420-B in the right AIMS cabinet (WDM 31-61-19):

| DM31202AB   | J420-B |
|-------------|--------|
| pin 7 ..... | pin A9 |
| pin 8 ..... | pin B9 |

- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M008) and IOM(M009) modules in the right AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right EFIS CP, M31202. To install it, do this task: EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue.
- (4) Re-install the IOM(M008) and IOM(M009) modules in the right AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Install a new right EFIS CP, M31202. To install it, do this task: EFIS Control Panel Installation, AMM TASK 31-61-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### 859. AIMS-L Display Function no Input from Left Cursor Control on ARINC 429 Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-89937.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (2) Replace the IOM(M004) module in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
- (a) Remove the left cursor control, M31103. To remove it, do this task: Cursor Control Device Removal, AMM TASK 31-61-07-000-801.
- (b) Remove the IOM(M003) and IOM(M004) modules from the left AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between these pins of connector DM31103B at the control stand, P10 and connector J240-B in the left AIMS cabinet (WDM 31-61-19):
- | <b>DM31103B</b>  | <b>J240-B</b> |
|------------------|---------------|
| pin 23 . . . . . | pin A12       |
| pin 21 . . . . . | pin B12       |
- (d) Do a wiring check between these pins of connector DM31103B at the P10 panel and connector J250-B in the left AIMS cabinet (WDM 31-61-19):
- | <b>DM31102AB</b> | <b>J250-B</b> |
|------------------|---------------|
| pin 23 . . . . . | pin A12       |
| pin 21 . . . . . | pin B12       |
- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M003) and IOM(M004) modules in the left AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the left cursor control, M31103. To install it, do this task: Cursor Control Device Installation, AMM TASK 31-61-07-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue.
- (4) Re-install the IOM(M003) and IOM(M004) modules in the left AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (5) Install a new left cursor control, M31103. To install it, do this task: Cursor Control Device Installation, AMM TASK 31-61-07-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (6) Replace the left EU(N46103). These are the tasks:
- Electronic Unit Removal, AMM TASK 46-11-03-000-801
  - Electronic Unit Installation, AMM TASK 46-11-03-400-801

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

————— **END OF TASK** —————

### 860. AIMS-R Display Function no Input from Left Cursor Control on ARINC 429 Bus - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-89938.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M009) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the left cursor control, M31103. To remove it, do this task: Cursor Control Device Removal, AMM TASK 31-61-07-000-801.
  - (b) Remove the IOM(M009) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DM31103B at the control stand, P10 and connector J420-A in the right AIMS cabinet (WDM 31-61-18):

#### **DM31103B**

pin 23 . . . . . pin A3

pin 21 . . . . . pin B3

#### **J420-A**

- (d) If you find a problem with the wiring, then do these steps:

- 1) Repair the wiring.
- 2) Re-install the IOM(M009) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the left cursor control, M31103. To install it, do this task: Cursor Control Device Installation, AMM TASK 31-61-07-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the IOM(M009) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Install a new left cursor control, M31103. To install it, do this task: Cursor Control Device Installation, AMM TASK 31-61-07-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (5) Replace the right EU(N46202)(If electronic flight bag is installed). These are the tasks:
  - Electronic Unit Removal, AMM TASK 46-11-03-000-801
  - Electronic Unit Installation, AMM TASK 46-11-03-400-801
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

### ————— END OF TASK —————

#### 861. AIMS-L Display Function no Input from Right Cursor Control on ARINC 429 Bus - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-89941.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M009) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the right cursor control, M31203. To remove it, do this task: Cursor Control Device Removal, AMM TASK 31-61-07-000-801.
  - (b) Remove the IOM(M009) module from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.

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- (c) Do a wiring check between these pins of connector DM31203B at the control stand, P10 and connector J420-A in the left AIMS cabinet (WDM 31-61-19):

| <b>DM31203B</b> | <b>J420-A</b> |
|-----------------|---------------|
| pin 23 .....    | pin A3        |
| pin 21 .....    | pin B3        |

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M009) module in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right cursor control, M31203. To install it, do this task: Cursor Control Device Installation, AMM TASK 31-61-07-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Re-install the IOM(M009) module in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Install a new right cursor control, M31203. To install it, do this task: Cursor Control Device Installation, AMM TASK 31-61-07-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (5) Replace the left EU(N46103). These are the tasks:
- Electronic Unit Removal, AMM TASK 46-11-03-000-801
  - Electronic Unit Installation, AMM TASK 46-11-03-400-801
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

————— **END OF TASK** —————

### **862. AIMS-R Display Function no Input from Right Cursor Control on ARINC 429 Bus - Fault Isolation**

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-89942.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the IOM(M003) module in the right AIMS cabinet.

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These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M004) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the right cursor control, M31203. To remove it, do this task: Cursor Control Device Removal, AMM TASK 31-61-07-000-801.
  - (b) Remove the IOM(M003) and IOM(M004) modules from the right AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DM31203B at the control stand, P10 and connector J240-A in the right AIMS cabinet (WDM 31-61-19):

| <b>DM31203B</b>  | <b>J240-A</b> |
|------------------|---------------|
| pin 23 . . . . . | pin A9        |
| pin 21 . . . . . | pin B9        |

- (d) Do a wiring check between these pins of connector DM31203B at the control stand, P10 and connector J250-A in the right AIMS cabinet (WDM 31-61-19):

| <b>DM31203 B</b> | <b>J250-A</b> |
|------------------|---------------|
| pin 23 . . . . . | pin A9        |
| pin 21 . . . . . | pin B9        |

- (e) If you find a problem with the wiring, then do these steps:
  - 1) Repair the wiring.
  - 2) Re-install the IOM(M003) and IOM(M004) modules in the right AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the right cursor control, M31203. To install it, do this task: Cursor Control Device Installation, AMM TASK 31-61-07-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue.
- (4) Re-install the IOM(M003) and IOM(M004) modules in the right AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (5) Install a new right cursor control, M31203. To install it, do this task: Cursor Control Device Installation, AMM TASK 31-61-07-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (6) Replace the right EU(N46202). These are the tasks:
  - Electronic Unit Removal, AMM TASK 46-11-03-000-801
  - Electronic Unit Installation, AMM TASK 46-11-03-400-801
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

————— **END OF TASK** —————

**863. AIMS-L Display Function 1 No Input from Function (CMCF, DCMF, DFDAF or FDCF) in AIMS-L - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-83011, 31-83071, 31-83091, 31-83151.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the CPM/Comm(M001) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/GG(M010) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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864. AIMS-R Display Function 1 No Input from Function (CMCF, DCMF, DFDAF, or FDCF) in AIMS-L - Fault Isolation

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-83012, 31-83072, 31-83092, 31-83152.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
- (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
- 1) Find the message in the applicable FIM Maintenance Message Index.
  - 2) Do the specified task for the maintenance message.
- (b) If a maintenance message related to an AIMS IOM or an AIMS CPM does not show in Existing Faults, then continue.
- (2) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M010) in Right AIMS Module Reset.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, CPM/Comm(M001) in Left AIMS Module Reset.
- NOTE:** The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

865. AIMS-L Display Function 1 No Input from Function (CMCF, DCMF, DFDAF, or FDCF) in AIMS-R - Fault Isolation

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-83013, 31-83073, 31-83093, 31-83153.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
  - (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS IOM or an AIMS CPM does not show in Existing Faults, then continue.
- (2) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M010) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm(M001) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.  
NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 866. AIMS-R Display Function 1 No Input from Function (CMCF, DCMF, DFDAF, or FDCF) in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-83014, 31-83074, 31-83094, 31-83154.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/Comm(M001) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the CPM/GG(M010) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 867. AIMS-L Display Function (1 or 2) No Input from Function (DCGF-1 or Display (1 or 2)) in AIMS-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-83113, 31-83121.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the CPM/GG(M010) module in the left AIMS cabinet.

These are the tasks:

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Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/GG(M011) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 868. AIMS-R Display Function 1 No Input from DCGF-1 Function in AIMS-L - Fault Isolation

#### A. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### B. Fault Isolation Procedure

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
  - (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS IOM does not show in Existing Faults, then continue.
- (2) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M010) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M010) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (4) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M011) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.

NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 869. AIMS-R Display Function (1 or 2) No Input from Function (DCGF-1 or Display (1 or 2)) in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-83134, 31-83142.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the CPM/GG(M010) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/GG(M011) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 870. AIMS-L Display Function 1 No Input from DCGF-2 Function in AIMS-L - Fault Isolation

#### A. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/GG(M010) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/Comm(M001) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the CPM/STD(M002) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 871. AIMS-R Display Function 1 No Input from DCGF-2 Function in AIMS-L - Fault Isolation

#### A. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### B. Fault Isolation Procedure

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
  - (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS IOM or an AIMS CPM does not show in Existing Faults, then continue.
- (2) Do this ground tests on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M010) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, CPM/Comm(M001) in Left AIMS Module Reset.

NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT:
  - (a) 31 AIMS - Left AIMS, System Test, CPM/STD(M002) in Left AIMS Module Reset.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.

NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 872. AIMS-L Display Function 1 No Input from DCGF-2 Function in AIMS-R - Fault Isolation

#### A. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### B. Fault Isolation Procedure

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
  - (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If maintenance message related to an AIMS IOM or an AIMS CPM does not show in Existing Faults, then continue.
- (2) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M010) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm(M001) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT:
  - (a) 31 AIMS - Right AIMS, System Test, CPM/STD(M002) in Right AIMS Module Reset.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.

NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 873. AIMS-R Display Function 1 No Input from DCGF-2 Function in AIMS-R - Fault Isolation

#### A. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### B. Fault Isolation Procedure

- (1) Replace the CPM/GG(M010) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/Comm(M001) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the CPM/STD(M002) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 874. AIMS-L Display Function 1 No Input from Function (FMCf or TCMF) in AIMS-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-83171, 31-83191.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the CPM/STD (M002) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/GG(M010) module in the left AIMS cabinet.  
These are the tasks:  
Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,  
Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**875. AIMS-R Display Function 1 No Input from Function (FMCF or TMCF) in AIMS-L - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-83172, 31-83192.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
  - (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS IOM or an AIMS CPM does not show in Existing Faults, then continue.
- (2) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M010) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground test on the MAT:
  - (a) 31 AIMS - Left AIMS, System Test, CPM/STD(M002) in Left AIMS Module Reset.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (5) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.  
NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**876. AIMS-L Display Function 1 No Input from Function (FMCf or TMCf) in AIMS-R - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-83173, 31-83193.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
- (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
- 1) Find the message in the applicable FIM Maintenance Message Index.
  - 2) Do the specified task for the maintenance message.
- (b) If a maintenance message related to an AIMS IOM or an AIMS CPM does not show in Existing Faults, then continue.
- (2) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M010) in Left AIMS Module Reset.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground test on the MAT:
- (a) 31 AIMS - Right AIMS, System Test, CPM/STD(M002) in Right AIMS Module Reset.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.  
NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 877. AIMS-R Display Function 1 No Input from Function (FMCF or TMCF) in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-83174, 31-83194.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the CPM/STD (M002) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/GG(M010) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 878. EFIS-L CP Map Range does Not Agree With Map Range From WXR-L or FMCF in AIMS-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-83521, 31-83523, 31-83525.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS cabinet Reset.

NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/STD(M002) module in the left AIMS cabinet.

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These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the CPM/GG(M010) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the CPM/GG(M011) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 879. EFIS-R CP Map Range does Not Agree With Map Range From WXR-R or FMCF in AIMS-R - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-83522, 31-83524, 31-83526.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/GG(M010) module in the right AIMS cabinet.

These are the tasks:

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Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the CPM/GG(M011) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the CPM/STD(M002) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 880. Left Outboard Display Unit Internal Fault Or ARINC 429 Feedback Fault (AIMS-L) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-80111.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the left outboard display unit (DU), N31101.

These are the tasks:

Display Unit Removal, AMM TASK 31-61-01-000-801,

Display Unit Installation, AMM TASK 31-61-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M008) module in the left AIMS cabinet.

These are the tasks:

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Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M009) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this check of the wiring:
  - (a) Remove the left outboard DU, N31101. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - (b) Remove the IOM(M008) and IOM(M009) modules from the left AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DN31101AB at the P1-1 panel and connector J410-A in the left AIMS cabinet (WDM 31-61-16).

| DN31101AB | J410-A |
|-----------|--------|
| pin A3    | pin A9 |
| pin A4    | pin B9 |

- (d) Do a wiring check between these pins of connector DN31101AB at the P1-1 panel and connector J420-A in the left AIMS cabinet (WDM 31-61-16).

| DN31101AB | J420-A |
|-----------|--------|
| pin A3    | pin A9 |
| pin A4    | pin B9 |

- (e) Repair any wiring problems you find.
- (f) Re-install the IOM(M008) and IOM(M009) modules in the left AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (g) Re-install the left outboard DU, N31101. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (h) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 881. Left Outboard Display Unit Internal Fault Or ARINC 429 Feedback Fault (AIMS-R) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-80112.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the left outboard display unit (DU), N31101.

These are the tasks:

Display Unit Removal, AMM TASK 31-61-01-000-801,

Display Unit Installation, AMM TASK 31-61-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M008) module in the right AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the left outboard DU, N31101. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - (b) Remove the IOM(M008) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DN31101AB at the P1-1 panel and connector J410-B in the right AIMS cabinet (WDM 31-61-16):

#### DN31101AB

|        |       |        |
|--------|-------|--------|
| pin A3 | ..... | pin A1 |
| pin A4 | ..... | pin B1 |

#### J410-B

- (d) Repair any wiring problems you find.
  - (e) Re-install the IOM(M008) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (f) Re-install the left outboard DU, N31101. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

## 882. Left Inboard Display Unit Internal Fault Or ARINC 429 Feedback Fault (AIMS-L) - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-80121.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the left inboard display unit (DU), N31102.

These are the tasks:

Display Unit Removal, AMM TASK 31-61-01-000-801,

Display Unit Installation, AMM TASK 31-61-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M003) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M004) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this check of the wiring:
  - (a) Remove the left inboard DU, N31102. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - (b) Remove the IOM(M003) and IOM(M004) modules from the left AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DN31102AB at the P1-1 panel and connector J240-B in the left AIMS cabinet (WDM 31-61-16):

#### DN31102AB

#### J240-B

pin A3 . . . . . pin A9

pin A4 . . . . . pin B9

- (d) Do a wiring check between these pins of connector DN31102AB at the P1-1 panel and connector J250-B in the left AIMS cabinet (WDM 31-61-16):

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### DN31102AB

pin A3 ..... pin A9  
pin A4 ..... pin B9

### J250-B

- (e) Repair any wiring problems you find.
- (f) Re-install the IOM(M003) and IOM(M004) modules in the left AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (g) Re-install the left inboard DU, N31102. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (h) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

## 883. Left Inboard Display Unit Internal Fault (AIMS-R) - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance message: 31-80122.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Replace the left inboard display unit (DU), N31102.

These are the tasks:

Display Unit Removal, AMM TASK 31-61-01-000-801,

Display Unit Installation, AMM TASK 31-61-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M003) module in the right AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the left inboard DU, N31102. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - (b) Remove the IOM(M003) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.

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- (c) Do a wiring check between these pins of connector DN31102AB at the E1-1 shelf and connector J240-B in the right AIMS cabinet (WDM 31-61-16):

| <b>DN31102AB</b> | <b>J240-B</b> |
|------------------|---------------|
| pin A3 .....     | pin A4        |
| pin A4 .....     | pin B4        |

- (d) Repair any wiring problems you find.
- (e) Re-install the IOM(M003) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (f) Re-install the left inboard DU, N31102. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 884. Center Upper Display Unit Internal Fault Or ARINC 429 Feedback Fault (AIMS-L) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-80131.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the center upper display unit (DU), N31301.

These are the tasks:

Display Unit Removal, AMM TASK 31-61-01-000-801,

Display Unit Installation, AMM TASK 31-61-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M003) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M004) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this check of the wiring:
  - (a) Remove the center upper DU, N31301. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - (b) Remove the IOM(M003) and IOM(M004) modules from the left AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DN31301AB at the P2 panel and connector J240-B in the left AIMS cabinets (WDM 31-61-16):

| DN31301AB        | J240-A  |
|------------------|---------|
| pin A3 . . . . . | pin A16 |
| pin A4 . . . . . | pin B16 |

- (d) Do a wiring check between these pins of connector DN31301AB at the P2 panel and connector J250-B in the left AIMS cabinet (WDM 31-61-16):

| DN31301AB        | J250-A  |
|------------------|---------|
| pin A3 . . . . . | pin A16 |
| pin A4 . . . . . | pin B16 |

- (e) Repair any wiring problems you find.
- (f) Re-install the IOM(M003) and IOM(M004) modules in the left AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (g) Re-install the center upper DU, N31301. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (h) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 885. Center Upper Display Unit Internal Fault Or ARINC 429 Feedback Fault (AIMS-R) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-80132.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the center upper display unit (DU), N31301.  
These are the tasks:  
Display Unit Removal, AMM TASK 31-61-01-000-801,  
Display Unit Installation, AMM TASK 31-61-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M003) module in the right AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M004) module in the right AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this check of the wiring:
- (a) Remove the center upper DU, N31301. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
- (b) Remove the IOM(M003) and IOM(M004) modules from the right AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between these pins of connector DN31301AB at the P2 panel and connector J240-B in the right AIMS cabinet (WDM 31-61-16):
- | <b>DN31301AB</b> | <b>J240-A</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A16       |
| pin A4 . . . . . | pin B16       |
- (d) Do a wiring check between these pins of connector DN31301AB at the P2 panel and connector J250-B in the right AIMS cabinet (WDM 31-61-16):
- | <b>DN31301AB</b> | <b>J250-A</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A16       |
| pin A4 . . . . . | pin B16       |
- (e) Repair any wiring problems you find.
- (f) Re-install the IOM(M003) and IOM(M004) modules in the right AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (g) Re-install the center upper DU, N31301. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (h) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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### 886. Center Lower Display Unit Internal Fault Or ARINC 429 Feedback Fault (AIMS-L) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-80141.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the center lower display unit (DU), N31302.

These are the tasks:

Display Unit Removal, AMM TASK 31-61-01-000-801,

Display Unit Installation, AMM TASK 31-61-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M008) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M009) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this check of the wiring:
  - (a) Remove the center lower DU, N31302. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - (b) Remove the IOM(M008) and IOM(M009) modules from the left AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DN31302AB at the P2 panel and connector J410-A in the left AIMS cabinet (WDM 31-61-17):

#### DN31302AB

pin A3 ..... pin A16  
pin A4 ..... pin B16

#### J410-A

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- (d) Do a wiring check between these pins of connector DN31302AB at the P2 panel and connector J420-A in the left AIMS cabinet (WDM 31-61-17):

| DN31302AB    | J420-A  |
|--------------|---------|
| pin A3 ..... | pin A16 |
| pin A4 ..... | pin B16 |

- (e) Repair any wiring problems you find.
- (f) Re-install the IOM(M008) and IOM(M009) modules in the left AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (g) Re-install the center lower DU, N31302. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (h) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 887. Center Lower Display Unit Internal Fault Or ARINC 429 Feedback Fault (AIMS-R) - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-80142.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the center lower display unit (DU), N31302.

These are the tasks:

Display Unit Removal, AMM TASK 31-61-01-000-801,

Display Unit Installation, AMM TASK 31-61-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M008) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M009) module in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this check of the wiring:
  - (a) Remove the center lower DU, N31302. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - (b) Remove the IOM(M008) and IOM(M009) modules from the right AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DN31302AB at the P2 panel and connector J410-B in the right AIMS cabinet (WDM 31-61-17):

| DN31302AB        | J410-B  |
|------------------|---------|
| pin A3 . . . . . | pin A11 |
| pin A4 . . . . . | pin B11 |

- (d) Do a wiring check between these pins of connector DN31302AB at the P2 panel and connector J420-B in the right AIMS cabinet (WDM 31-61-17):

| DN31302AB        | J420-B  |
|------------------|---------|
| pin A3 . . . . . | pin A11 |
| pin A4 . . . . . | pin B11 |

- (e) Repair any wiring problems you find.
- (f) Re-install the IOM(M008) and IOM(M009) modules in the right AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (g) Re-install the center lower DU, N31302. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (h) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 888. Right Inboard Display Unit Internal Fault Or ARINC 429 Feedback Fault (AIMS-L) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-80151.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the right inboard display unit, N31202.  
These are the tasks:  
Display Unit Removal, AMM TASK 31-61-01-000-801,  
Display Unit Installation, AMM TASK 31-61-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M003) module in the left AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
  - (a) Remove the right inboard DU, N31202. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - (b) Remove the IOM(M003) module from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DN31202AB at the P3-1 panel and connector J240-B in the left AIMS cabinet (WDM 31-61-16):

|                  |       |               |
|------------------|-------|---------------|
| <b>DN31202AB</b> |       | <b>J240-B</b> |
| pin A3           | ..... | pin A4        |
| pin A4           | ..... | pin B4        |
- (d) Repair any wiring problems you find.
- (e) Re-install the IOM(M003) module in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (f) Re-install the right outboard DU, N31202. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 889. Right Inboard Display Unit Internal Fault Or ARINC 429 Feedback Fault (AIMS-R) - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-80152.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the right inboard display unit (DU), N31202.  
These are the tasks:  
Display Unit Removal, AMM TASK 31-61-01-000-801,  
Display Unit Installation, AMM TASK 31-61-01-400-801.

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## 31-61 TASKS 888-889

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M003) module in the right AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M004) module in the right AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this check of the wiring:
- (a) Remove the right inboard DU, N31202. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
- (b) Remove the IOM(M003) and IOM(M004) modules from the right AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between these pins of connector DN31202AB at the P3-1 panel and connector J240-B in the right AIMS cabinet (WDM 31-61-16):
- | <b>DN31202AB</b> | <b>J240-B</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A9        |
| pin A4 . . . . . | pin B9        |
- (d) Do a wiring check between these pins of connector DN31202AB at the P3-1 panel and connector J250-B in the right AIMS cabinet (WDM 31-61-16):
- | <b>DN31202AB</b> | <b>J250-B</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A9        |
| pin A4 . . . . . | pin B9        |
- (e) Repair any wiring problems you find.
- (f) Re-install the IOM(M003) and IOM(M004) modules in the right AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (g) Re-install the right inboard DU, N31202. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (h) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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890. Right Outboard Display Unit Internal Fault Or ARINC 429 Feedback Fault (AIMS-L) - Fault Isolation

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-80161.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the right outboard display unit (DU), N31201.

These are the tasks:

Display Unit Removal, AMM TASK 31-61-01-000-801,

Display Unit Installation, AMM TASK 31-61-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M008) module in the left AIMS cabinet.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,
- Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
- (a) Remove the right outboard DU, N31201. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
- (b) Remove the IOM(M008) module from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between these pins of connector DN31201AB at the E3-1 shelf and connector J410-A in the left AIMS cabinet (WDM 31-61-17):

| DN31201AB | J410-A |
|-----------|--------|
| pin A3    | pin A8 |
| pin A4    | pin B8 |

- (d) Repair any wiring problems you find.
- (e) Re-install the IOM(M008) module in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (f) Re-install the right outboard DU, N31201. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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## 777-200/300 FAULT ISOLATION MANUAL

### 891. Right Outboard Display Unit Internal Fault Or ARINC 429 Feedback Fault (AIMS-R) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-80162.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the right outboard display unit (DU), N31201.

These are the tasks:

Display Unit Removal, AMM TASK 31-61-01-000-801,

Display Unit Installation, AMM TASK 31-61-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M008) module in the right AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the IOM(M009) module in the right AIMS cabinet.  
These are the tasks:  
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,  
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this check of the wiring:
  - (a) Remove the right outboard DU, N31201. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - (b) Remove the IOM(M008) and IOM(M009) modules from the right AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DN31201AB at the P3-1 panel and connector J410-A in the right AIMS cabinet (WDM 31-61-17):

#### DN31201AB

|        |       |         |
|--------|-------|---------|
| pin A3 | ..... | pin A16 |
| pin A4 | ..... | pin B16 |

#### J410-A

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- (d) Do a wiring check between these pins of connector DN31201AB at the P3-1 panel and connector J420-A in the right AIMS cabinet (WDM 31-61-17):

| <b>DN31201AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin A3 .....     | pin A16       |
| pin A4 .....     | pin B16       |

- (e) Repair any wiring problems you find.
- (f) Re-install the IOM(M008) and IOM(M009) modules in the right AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (g) Re-install the right outboard DU, N31201. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (h) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 892. Left Remote Light Sensor Problems - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-80171.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Replace the left remote light sensor, M31104.

These are the tasks:

Remote Light Sensor Removal, AMM TASK 31-61-08-000-801,

Remote Light Sensor Installation, AMM TASK 31-61-08-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the left outboard display unit, N31101. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
- (b) Disconnect connector DM31104 from the remote light sensor, M31104 (WDM 31-61-11).
- (c) Do a wiring check between these pins of connector DM31104 at the glareshield panel, P7, and connector DN31101AB at the P3 panel (WDM 31-61-11):

| <b>DM31104</b> | <b>DN31101AB</b> |
|----------------|------------------|
| pin 5 .....    | pin E3           |
| pin 6 .....    | pin E4           |
| pin 2 .....    | pin D3           |
| pin 9 .....    | pin C4           |
| pin 11 .....   | pin C3           |

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- (d) Repair any wiring problems you find.
- (e) Re-connect connector DM31104 (WDM 31-61-11).
- (f) Re-install the left outboard DU, N31101. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### 893. Right Remote Light Sensor Problems - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-80172.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Replace the right remote light sensor, M31204.

These are the tasks:

Remote Light Sensor Removal, AMM TASK 31-61-08-000-801,

Remote Light Sensor Installation, AMM TASK 31-61-08-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the right outboard display unit, N31201. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - (b) Disconnect connector DM31204 from the remote light sensor, M31204 (WDM 31-61-12).
  - (c) Do a wiring check between these pins of connector DM31204 at the glareshield panel, P7, and connector DN31201AB at the P3 panel (WDM 31-61-12):

#### DM31204

|        |       |        |
|--------|-------|--------|
| pin 5  | ..... | pin E3 |
| pin 6  | ..... | pin E4 |
| pin 2  | ..... | pin D3 |
| pin 9  | ..... | pin C4 |
| pin 11 | ..... | pin C3 |

#### DN31201AB

- (d) Repair any wiring problems you find.
- (e) Re-connect connector DM31204 (WDM 31-61-12).
- (f) Re-install the right outboard DU, N31201. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.

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- (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**894. AIMS-L Display Function 2 No Input from Function (CMCF, DCMF, DFDAF or FDCF) in AIMS-L - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-83021, 31-83081, 31-83101, 31-83161.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the CPM/Comm(M001) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/GG(M011) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**895. AIMS-R Display Function 2 No Input from Function (CMCF, DCMF, DFDAF, or FDCF) in AIMS-L - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-83022, 31-83082, 31-83102, 31-83162.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
  - (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS IOM does not show in Existing Faults, then continue.
- (2) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M011) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, CPM/Comm(M001) in Left AIMS Module Reset.

NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 896. AIMS-L Display Function 2 No Input from Function (CMCF, DCMF, DFDAF, or FDCF) in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-83023, 31-83083, 31-83103, 31-83163.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
  - (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.

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- (b) If a maintenance message related to an AIMS IOM does not show in Existing Faults, then continue.
- (2) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M011) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm(M001) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.

**NOTE:** The Left AIMS Cabinet Reset ground test must be started by the PMAT.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

#### 897. AIMS-R Display Function 2 No Input from Function (CMCF, DCMF, DFDAF, or FDCF) in AIMS-R - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-83024, 31-83084, 31-83104, 31-83164.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/Comm(M001) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

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Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the CPM/GG(M011) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### — END OF TASK —

## 898. AIMS-L Display Function 1 No Input from DCGF-1 Function in AIMS-R - Fault Isolation

### A. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### B. Fault Isolation Procedure

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
  - (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS IOM does not show in Existing Faults, then continue.
- (2) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M010) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M010) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M011) in Right AIMS Module Reset.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.  
NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### ————— END OF TASK —————

#### 899. AIMS-R Display Function 2 No Input from DCGF-1 Function in AIMS-L - Fault Isolation

##### A. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### B. Fault Isolation Procedure

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
  - (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS IOM does not show in Existing Faults, then continue.
- (2) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M011) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M010) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M011) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.

NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

**900. AIMS-L Display Function 2 No Input from DCGF-1 Function in AIMS-R - Fault Isolation**

**A. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**B. Fault Isolation Procedure**

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
  - (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS IOM does not show in Existing Faults, then continue.
- (2) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M011) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M010) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M011) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (5) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.  
NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 901. AIMS-L Display Function 2 No Input from DCGF-2 Function in AIMS-L - Fault Isolation

#### A. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/GG(M011) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/Comm(M001) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the CPM/STD(M002) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**902. AIMS-R Display Function 2 No Input from DCGF-2 Function in AIMS-L - Fault Isolation**

**A. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**B. Fault Isolation Procedure**

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
- (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
- 1) Find the message in the applicable FIM Maintenance Message Index.
  - 2) Do the specified task for the maintenance message.
- (b) If a maintenance message related to an AIMS IOM does not show in Existing Faults, then continue.
- (2) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M011) in Right AIMS Module Reset.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, CPM/Comm(M001) in Left AIMS Module Reset.

NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT:
- (a) 31 AIMS - Left AIMS, System Test, CPM/STD(M002) in Left AIMS Module Reset.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.

NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

**END OF TASK**

**903. AIMS-L Display Function 2 No Input from DCGF-2 Function in AIMS-R - Fault Isolation**

**A. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**B. Fault Isolation Procedure**

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
- (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
- 1) Find the message in the applicable FIM Maintenance Message Index.
  - 2) Do the specified task for the maintenance message.
- (b) If maintenance message related to an AIMS IOM does not show in Existing Faults, then continue.
- (2) Do these ground tests on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M011) in Left AIMS Module Reset.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm(M001) in Right AIMS Module Reset.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT:
- (a) 31 AIMS - Right AIMS, System Test, CPM/STD(M002) in Right AIMS Module Reset.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.



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- (7) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.

NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**904. AIMS-R Display Function 2 No Input from DCGF-2 Function in AIMS-R - Fault Isolation**

**A. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**B. Fault Isolation Procedure**

- (1) Replace the CPM/GG(M011) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/Comm(M001) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the CPM/STD(M002) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**905. AIMS-L Display Function 1 No Input from Display Function 1 in AIMS-L - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-83111.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.

NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/GG(M010) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the CPM/GG(M011) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 906. AIMS-R Display Function 1 No Input from Display 1 Function in AIMS-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-83112.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
  - (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:

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- 1) Find the message in the applicable FIM Maintenance Message Index.
- 2) Do the specified task for the maintenance message.
- (b) If a maintenance message related to an AIMS IOM does not show in Existing Faults, then continue.
- (2) Do this ground test on the MAT:
  - (a) 31 AIMS - Right AIMS, System Test, CPM/GG(M010) in Right AIMS Module Reset.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground test on the MAT:
  - (a) 31 AIMS - Left AIMS, System Test, CPM/GG(M010) in Left AIMS Module Reset.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.

NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

### END OF TASK

#### 907. AIMS-R Display Function 1 No Input from Display 2 Function in AIMS-L - Fault Isolation

##### A. Maintenance Messages

- (1) This task is for maintenance message: 31-83114.

##### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

##### C. Fault Isolation Procedure

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
  - (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS IOM does not show in Existing Faults, then continue.

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- (2) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M010) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M011) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.

NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 908. AIMS-R Display Function 2 No Input from Display 1 Function in AIMS-L - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-83122.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
  - (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS IOM does not show in Existing Faults, then continue.
- (2) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M011) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (3) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M010) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.

NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 909. AIMS-L Display Function 2 No Input from Display Function 2 in AIMS-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-83123.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS cabinet Reset.

NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/GG(M011) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 910. AIMS-R Display Function 2 No Input from Display 2 Function in AIMS-L - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-83124.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
  - (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS IOM does not show in Existing Faults, then continue.
- (2) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M011) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M011) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.

NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 911. AIMS-L Display Function 1 No Input from Display 1 Function in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-83131.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
  - (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS IOM does not show in Existing Faults, then continue.
- (2) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M010) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M010) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.

NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 912. AIMS-R Display Function 1 No Input from Display Function 1 in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-83132.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the CPM/GG(M010) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

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Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 913. AIMS-L Display Function 1 No Input from Display 2 Function in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-83133.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
  - (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS IOM does not show in Existing Faults, then continue.
- (2) Do this ground test on the MAT:
  - (a) 31 AIMS - Left AIMS, System Test, CPM/GG(M010) in Left AIMS Module Reset.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground test on the MAT:
  - (a) 31 AIMS - Right AIMS, System Test, CPM/GG(M011) in Right AIMS Module Reset.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.  
NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

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**914. AIMS-L Display Function 2 No Input from Display 1 Function in AIMS-R - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-83141.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
  - (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS IOM does not show in Existing Faults, then continue.
- (2) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M011) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M010) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.  
**NOTE:** The Left AIMS Cabinet Reset ground test must be started by the PMAT.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**915. AIMS-L Display Function 2 No Input from Display 2 Function in AIMS-R - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-83143.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
  - (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS IOM does not show in Existing Faults, then continue.
- (2) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M011) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M011) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.  
NOTE: The Left AIMS Cabinet Reset ground test must be started by the PMAT.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 916. AIMS-R Display Function 2 No Input from Display Function 2 in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-83144.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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**C. Fault Isolation Procedure**

- (1) Replace the CPM/GG(M011) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**917. AIMS-L Display Function 2 No Input from Function (FMCF or TCMF) in AIMS-L - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-83181, 31-83201.

**B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

**C. Fault Isolation Procedure**

- (1) Replace the CPM/STD(M002) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/GG(M011) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

**918. AIMS-R Display Function 2 No Input from Function (FMCF or TCMF) in AIMS-L - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance messages: 31-83182, 31-83202.

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### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

### C. Fault Isolation Procedure

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
  - (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS IOM does not show in Existing Faults, then continue.
- (2) Do these ground tests on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG(M011) in Right AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground test on the MAT:
  - (a) 31 AIMS - Left AIMS, System Test, CPM/STD(M002) in Left AIMS Module Reset.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.

**NOTE:** The Left AIMS Cabinet Reset ground test must be started by the PMAT.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

## 919. AIMS-L Display Function 2 No Input from Function (FMCf or TMCf) in AIMS-R - Fault Isolation

### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-83183, 31-83203.

### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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### C. Fault Isolation Procedure

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS and 31 AIMS - Right AIMS.
  - (a) If a maintenance message related to an AIMS IOM or an AIMS CPM shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS IOM does not show in Existing Faults, then continue.
- (2) Do this ground tests on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M011) in Left AIMS Module Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this ground tests on the MAT:
  - (a) 31 AIMS - Right AIMS, System Test, CPM/STD(M002) in Right AIMS Module Reset.
  - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, Right AIMS Cabinet Reset.
  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
  - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, Left AIMS Cabinet Reset.

**NOTE:** The Left AIMS Cabinet Reset ground test must be started by the PMAT.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 920. AIMS-R Display Function 2 No Input from Function (FMCF or TMCF) in AIMS-R - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-83184, 31-83204.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Replace the CPM/STD (M002) module in the right AIMS cabinet.

These are the tasks:  
Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

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Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the CPM/GG(M011) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 921. Center Upper DU has No Output on ARINC 429 Bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-88893.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

NOTE: If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the center upper display unit, N31301.

These are the tasks:

Display Unit Removal, AMM TASK 31-61-01-000-801,

Display Unit Installation, AMM TASK 31-61-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
  - (a) Remove the center upper DU, N31301. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
  - (b) Remove the IOM(M003) and IOM(M004) modules from the left and right AIMS cabinets. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
  - (c) Do a wiring check between these pins of connector DN31301AB at the P2 panel and connector J240-A in the left and right AIMS cabinets (WDM 31-61-16):

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|                  |               |
|------------------|---------------|
| <b>DN31301AB</b> | <b>J240-A</b> |
| pin A3 . . . . . | pin A16       |
| pin A4 . . . . . | pin B16       |

- (d) Do a wiring check between these pins of connector DN31102AB at the P2 panel and connector P4-B in the left and right AIMS cabinets (WDM 31-61-16):

|                  |               |
|------------------|---------------|
| <b>DN31301AB</b> | <b>J250-A</b> |
| pin A3 . . . . . | pin A16       |
| pin A4 . . . . . | pin B16       |

- (e) Repair any wiring problems you find.
- (f) Re-install the IOM(M003) and IOM(M004) modules in the left and right AIMS cabinets. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (g) Re-install the center upper DU, N31301. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (h) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 922. Center Lower DU has No Output on ARINC 429 Bus - Fault Isolation

#### **A. Maintenance Messages**

- (1) This task is for maintenance message: 31-88894.

#### **B. Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### **C. Fault Isolation Procedure**

**NOTE:** If you use a megohmmeter to do wiring checks on an ARINC 429 bus (or if you need the exact resistance of the bus wiring), first remove all the LRUs that are connected to the bus (use the WDM to tell which LRUs are on the bus). Then re-install the LRUs when you are done.

- (1) Replace the center lower display unit, N31302.
- These are the tasks:
- Display Unit Removal, AMM TASK 31-61-01-000-801,  
Display Unit Installation, AMM TASK 31-61-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the center lower DU, N31302. To remove it, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.

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- (b) Remove the IOM(M008) and IOM(M009) modules from the left AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (c) Do a wiring check between these pins of connector DN31302AB at the P2 panel and connector J410-A in the left AIMS cabinet (WDM 31-61-17):

| <b>DN31302AB</b> | <b>J410-A</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A16       |
| pin A4 . . . . . | pin B16       |

- (d) Do a wiring check between these pins of connector DN31302AB at the P2 panel and connector J420-A in the left AIMS cabinet (WDM 31-61-17):

| <b>DN31302AB</b> | <b>J420-A</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A16       |
| pin A4 . . . . . | pin B16       |

- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
  - 2) Re-install the IOM(M008) and IOM(M009) modules in the left AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
  - 3) Re-install the center lower DU, N31302. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
  - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue.
- (3) Re-install the IOM(M008) and IOM(M009) modules in the left AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (4) Do this check of the wiring:
- (a) Remove the IOM(M008) and IOM(M009) modules from the right AIMS cabinet. To remove them, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Do a wiring check between these pins of connector DN31302AB at the P2 panel and connector J410-B in the right AIMS cabinet (WDM 31-61-17):

| <b>DN31302AB</b> | <b>J410-B</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A11       |
| pin A4 . . . . . | pin B11       |

- (c) Do a wiring check between these pins of connector DN31302AB at the P2 panel and connector P9-B in the right AIMS cabinet (WDM 31-61-17):

| <b>DN31302AB</b> | <b>J420-B</b> |
|------------------|---------------|
| pin A3 . . . . . | pin A11       |
| pin A4 . . . . . | pin B11       |

- (d) Repair any wiring problems you find.
- (e) Re-install the IOM(M008) and IOM(M009) modules in the right AIMS cabinet. To install them, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (f) Re-install the center lower DU, N31302. To install it, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
- (g) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

### 930. DU Brightness Irregular Problem - Fault Isolation

#### A. Fault Isolation Procedure

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS, 31 AIMS - Right AIMS, and 31 AIMS - Display Systems.
  - (a) If a maintenance message related to an AIMS CPM, or the Display System shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS CPM, or the Display System does not show in Existing Faults, then continue.
- (2) Replace the applicable Display Unit.

These are the tasks:  
Display Unit Removal, AMM TASK 31-61-01-000-801,  
Display Unit Installation, AMM TASK 31-61-01-400-801.

  - (a) If the Display Unit brightness operates correctly, then you corrected the fault.

————— **END OF TASK** —————

### 931. DU Automatic Brightness Control Problem - Fault Isolation

#### A. Fault Isolation Procedure

- (1) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS, 31 AIMS - Right AIMS, and 31 AIMS - Display Systems.
  - (a) If a maintenance message related to an AIMS CPM, or the Display System shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS CPM, or the Display System does not show in Existing Faults, then continue.
- (2) Replace the applicable Display Unit.

These are the tasks:  
Display Unit Removal, AMM TASK 31-61-01-000-801,  
Display Unit Installation, AMM TASK 31-61-01-400-801.

  - (a) If the Display Unit automatic brightness operates correctly, then you corrected the fault.

————— **END OF TASK** —————

### 932. Left AIMS Display Function (M001) Internal Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51161, 31-51171.

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### B. Fault Isolation Procedure

- (1) Replace the CPM/Comm(M001) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 933. Right AIMS Display Function (M001) Internal Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51162, 31-51172.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/Comm(M001) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/Communication (CPM/Comm) Removal, AMM  
TASK 31-41-04-000-802,

Core Processor Module/Communication (CPM/Comm) Installation, AMM  
TASK 31-41-04-400-802.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 934. Right AIMS Display Function (M001) Internal S/W Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51164, 31-51174.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Comm(M001) in Right AIMS Module Reset.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

### 935. Left AIMS Display Function (M001) Internal S/W Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51163, 31-51173.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the PMAT: 31 AIMS - Left AIMS, System Test, CPM/Comm(M001) in Left AIMS Module Reset.

NOTE: The CPM/Comm (M001) in Left AIMS Module Reset ground test must be started by the PMAT.

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- (a) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

### 936. Left AIMS Display Function (M002) Internal Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51361, 31-51371.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/STD(M002) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 937. Right AIMS Display Function (M002) Internal Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51362, 31-51372.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/STD(M002) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 938. Left AIMS Display Function (M002) Internal S/W Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51363, 31-51373.

#### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/STD(M002) in Left AIMS Module Reset.

- (a) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

### 939. Right AIMS Display Function (M002) Internal S/W Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51364, 31-51374.

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### B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/STD(M002) in Right AIMS Reset.
  - (a) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

### 940. Left AIMS Display Function (M010) Internal Problems - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51561, 31-51571, 31-81051.

#### B. Fault Isolation Procedure

- (1) Replace the CPM/GG(M010) module in the left AIMS cabinet.

These are the tasks:

Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM  
TASK 31-41-02-000-801,

Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM  
TASK 31-41-02-400-801.

  - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 941. Display Unit Problems - Fault Isolation

#### A. Fault Isolation Procedure

- (1) Wait 6 minutes before swapping out a DU. There is a 6 minute "Flop Monitor" that filters out intermittent DU blanking.
  - (a) If the Display Unit does not operate correctly, then continue.
- (2) Look at the Existing Faults display on the MAT for these ATA Systems: 31 AIMS - Left AIMS, 31 AIMS - Right AIMS, and 31 AIMS - Display Systems.
  - (a) If a maintenance message related to an AIMS CPM, or the Display System shows in Existing Faults, then do these steps:
    - 1) Find the message in the applicable FIM Maintenance Message Index.
    - 2) Do the specified task for the maintenance message.
  - (b) If a maintenance message related to an AIMS CPM, or the Display System does not show in Existing Faults, then continue.
- (3) Do these steps to check the coaxial connections.

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### WARNING

REMOVE ELECTRICAL POWER FROM THE CAPTAIN'S (FIRST OFFICER'S) SEAT. YOU CAN ACCIDENTALLY CAUSE A SEAT TO MOVE AND CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT.

- (a) Open these circuit breakers and install safety tags:

#### Left Power Management Panel, P110

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| D          | 18         | C25323        | CAPT SEAT   |

#### Right Power Management Panel, P210

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 13         | C25324        | F/O SEAT    |

- (b) Open the forward access panel that is outboard of the rudder pedals.  
(c) Make sure the coaxial cable connection is OK (WDM 31-61-14) (WDM 31-61-15).  
(d) If the Display Unit operates correctly, then you corrected the fault.  
1) Close the forward access panel that is outboard of the rudder pedals.  
2) Remove the safety tags and close these circuit breakers:

#### Left Power Management Panel, P110

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| D          | 18         | C25323        | CAPT SEAT   |

#### Right Power Management Panel, P210

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 13         | C25324        | F/O SEAT    |

- (e) If the Display Unit does not operate correctly, then continue.  
(4) Replace the applicable Display Unit.  
These are the tasks:  
Display Unit Removal, AMM TASK 31-61-01-000-801,  
Display Unit Installation, AMM TASK 31-61-01-400-801.  
(a) If the Display Unit operates correctly, then you corrected the fault.

————— END OF TASK —————

### 942. Upper/Lower Center DU Manual Brightness Control Problems - Fault Isolation

#### A. Fault Isolation Procedure

- (1) Wait 6 minutes before swapping out a DU. There is a 6 minute "Flop Monitor" that filters out intermittent DU blanking.  
(a) If the Display Unit does not operate correctly, then continue.  
(2) Replace the center display control panel, M31058.

These are the tasks:

Center Display Control Panel Removal, AMM TASK 31-61-04-000-801,  
Center Display Control Panel Installation, AMM TASK 31-61-04-400-801.

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- (a) If the applicable brightness control switch operates correctly, then you corrected the fault.

————— **END OF TASK** —————

**943. EICAS Message GROUND TEST ENABLE - Fault Isolation**

**A. Initial Evaluation**

NOTE: This message shows when the GRD TEST switch is set to ENABLE.

- (1) To put the airplane back to the normal mode, set the GRD TEST switch to NORM.

————— **END OF TASK** —————

**944. EICAS Message BARO SET DISAGREE - Fault Isolation**

**A. Initial Evaluation**

NOTE: This message shows when the captain's and first officer's baro settings differ by more than 0.03 inches of mercury for more than one minute.

- (1) To put the airplane back to the normal mode, set the captain's and first officer's baro to the same setting.

————— **END OF TASK** —————

**945. EICAS Message SGL SOURCE AIR DATA - Fault Isolation**

**A. Initial Evaluation**

NOTE: This message shows when the alternate air data system is selected and additional faults cause both PFD's to be on the same air data source.

- (1) To put the airplane back to the normal mode, Push the AIR DATA/AAT switch that is in the ALTN position.

————— **END OF TASK** —————

**946. EICAS Message DISPLAY SELECT PNL - Fault Isolation**

**A. Initial Evaluation**

NOTE: This message shows when the display select panel function has been moved to the control display unit (CDU) backup function.

- (1) To put the airplane back to the normal mode, do these steps at the CDU.  
(a) Push the MENU key.  
(b) Push the line select key adjacent to DSP CTL.

————— **END OF TASK** —————

**947. EICAS Message ALTN ATTITUDE - Fault Isolation**

**A. Initial Evaluation**

NOTE: This message shows when the ALTN position is selected on both the left and right AIR DATA/ATT switches.

- (1) To put the airplane back to the normal mode, Push one of the two AIR DATA/AAT switches.

————— **END OF TASK** —————

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948. EICAS Message TCAS RA CAPTAIN - Fault Isolation

A. Initial Evaluation

NOTE: This message shows when the AIMS cannot show the TCAS resolution advisory (RA) on the captain's displays. No maintenance action is necessary.

————— END OF TASK —————

949. EICAS Message TCAS RA F/O - Fault Isolation

A. Initial Evaluation

NOTE: This message shows when the AIMS cannot show the TCAS resolution advisory (RA) on the first officer's displays. No maintenance action is necessary.

————— END OF TASK —————

950. EICAS Message CHECKLIST SYS (STATUS) - Fault Isolation

A. Initial Evaluation

NOTE: This message shows when the electronic checklist was created with information that was not compatible with the checklist operating system.

- (1) To put the airplane back to the normal mode, load the correct checklist database.

NOTE: You can use the paper backup checklist until you load the correct checklist database.

————— END OF TASK —————

951. Checklist Airline DB Problems (Left AIMS CPM/GG(M010)) - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 31-81021.

B. Fault Isolation Procedure

NOTE: This maintenance message can show if you install a bad checklist airline database (DB) in the CPM/GG. The checklist airline DB is airline modifiable information (AMI). The checklist airline DB is bad if it does not agree with the engine type or the AIMS operational program software (OPS), or if the structure of the data is incorrect.

- (1) Correct and re-install the checklist airline DB or install a good checklist airline DB in the left AIMS CPM/GG(M010). To install it, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

952. Checklist Airline DB Problems (Right AIMS CPM/GG(M010)) - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 31-81022.

B. Fault Isolation Procedure

NOTE: This maintenance message can show if you install a bad checklist airline database (DB) in the CPM/GG. The checklist airline DB is airline modifiable information (AMI). The checklist airline DB is bad if it does not agree with the engine type or the AIMS operational program software (OPS), or if the structure of the data is incorrect.

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- (1) Correct and re-install the checklist airline DB or install a good checklist airline DB in the right AIMS CPM/GG(M010). To install it, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 953. Checklist Airline DB Problems (Left AIMS CPM/GG(M011)) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-82021.

#### B. Fault Isolation Procedure

NOTE: This maintenance message can show if you install a bad checklist airline database (DB) in the CPM/GG. The checklist airline DB is airline modifiable information (AMI). The checklist airline DB is bad if it does not agree with the engine type or the AIMS operational program software (OPS), or if the structure of the data is incorrect.

- (1) Correct and re-install the checklist airline DB or install a good checklist airline DB in the left AIMS CPM/GG(M011). To install it, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 954. Checklist Airline DB Problems (Right AIMS CPM/GG(M011)) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-82022.

#### B. Fault Isolation Procedure

NOTE: This maintenance message can show if you install a bad checklist airline database (DB) in the CPM/GG. The checklist airline DB is airline modifiable information (AMI). The checklist airline DB is bad if it does not agree with the engine type or the AIMS operational program software (OPS), or if the structure of the data is incorrect.

- (1) Correct and re-install the checklist airline DB or install a good checklist airline DB in the right AIMS CPM/GG(M011). To install it, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 955. EICAS Message for System Not on Airplane - Fault Isolation

#### A. Initial Evaluation

NOTE: If an EICAS message shows for a system that is not installed on the airplane, then it is possible that an LRU with incorrect software was installed.

- (1) If you recently replaced an LRU that is possibly related to the EICAS message, then do a check of the software configuration of the LRU (an LRU installed with the incorrect software configuration can cause an incorrect EICAS message).

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- (2) If the software configuration is not correct, then do the applicable procedure to install the correct software in the LRU.

————— END OF TASK —————

**956. Electronic Checklist ENABLE Button Problems - Fault Isolation**

**A. Fault Isolation Procedure**

- (1) Open and then close all of these circuit breakers at the same time:

**Overhead Circuit Breaker Panel, P11**

| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
|------------|------------|---------------|-------------|
| B          | 12         | C31609        | AIMS L-1    |
| B          | 13         | C31611        | AIMS L-2    |
| B          | 14         | C31617        | AIMS L-3    |
| B          | 15         | C31619        | AIMS L-4    |
| F          | 12         | C31610        | AIMS R-1    |
| F          | 13         | C31612        | AIMS R-2    |
| F          | 14         | C31618        | AIMS R-3    |
| F          | 15         | C31620        | AIMS R-4    |

- (a) If the ENABLE button on the maintenance task maintenance page now operates, you corrected the fault.

————— END OF TASK —————

**957. Checklist Boeing DB Problems (Left AIMS CPM/GG(M010)) - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-81031.

**B. Fault Isolation Procedure**

NOTE: This message can show if you install an incorrect checklist Boeing database (DB) in the CPM/GG. The checklist Boeing DB must agree with the AIMS operational program software (OPS).

- (1) Install the correct checklist Boeing DB in the left AIMS CPM/GG(M010). To install it, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

**958. Checklist Boeing DB Problems (Right AIMS CPM/GG(M010)) - Fault Isolation**

**A. Maintenance Messages**

- (1) This task is for maintenance message: 31-81032.

**B. Fault Isolation Procedure**

NOTE: This message can show if you install an incorrect checklist Boeing database (DB) in the CPM/GG. The checklist Boeing DB must agree with the AIMS operational program software (OPS).

- (1) Install the correct checklist Boeing DB in the right AIMS CPM/GG(M010). To install it, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 959. Checklist Boeing DB Problems (Left AIMS CPM/GG(M011)) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-82031.

#### B. Fault Isolation Procedure

NOTE: This message can show if you install an incorrect checklist Boeing database (DB) in the CPM/GG. The checklist Boeing DB must agree with the AIMS operational program software (OPS).

- (1) Install the correct checklist Boeing DB in the left AIMS CPM/GG(M011). To install it, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 960. Checklist Boeing DB Problems (Right AIMS CPM/GG(M011)) - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance message: 31-82032.

#### B. Fault Isolation Procedure

NOTE: This message can show if you install an incorrect checklist Boeing database (DB) in the CPM/GG. The checklist Boeing DB must agree with the AIMS operational program software (OPS).

- (1) Install the correct checklist Boeing DB in the right AIMS CPM/GG(M011). To install it, do this task: Core Processor Module/GG Software Installation, AMM TASK 31-41-02-420-804.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

### 961. Display Unit Degradation - Fault Isolation

#### A. Fault Isolation

- (1) If a display unit screen defect impairs the Flight Crew's ability to operate the aircraft, and therefore affects airworthiness, it must be corrected. These defect types include an obscured part of the display, missing pixels, or regions displaying unintended colors, which could prevent the correct interpretation of the displayed data.

These are the tasks:

Display Unit Removal, AMM TASK 31-61-01-000-801

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Display Unit Installation, AMM TASK 31-61-01-400-801

**NOTE:** All other screen defects must be considered minor and the decision to remove units due to these minor defects must be made in accordance with the operator's operational and business requirements. These decisions must involve the same considerations that apply to CRT technology displays, or other flight deck instruments, which might also be removed for minor defects such as scratches, cover glass fogging, or degradation of painted dial graphics.

### — END OF TASK —

## 962. Ground Maneuver Camera System Problems - Fault Isolation

### A. Initial Evaluation

- (1) Any Camera image defect, which impairs the Flight Crew's ability to operate the aircraft during ground taxiing is corrected per the applicable camera replacement AMM tasks below.  
**NOTE:** Degraded image quality, such as color blemishes, tint variations, or minor differences in brightness, must only be considered as criteria for camera replacement when the quality of the image is such that it will interfere with the safe operation of the airplane.
- (2) Select the GMCS format on all three Multi-Function display (MFD) positions. Set the brightness and contrast knobs for all MFDs to the 12 o'clock position.
- (3) If the problem is associated with an individual camera image (identical fault symptoms of a single camera's view on all three displays), then do the Fault Isolation steps at B.(1), or B.(2) below.
- (4) If the problem is present on all three MFD positions (all three camera views appear to be identically faulted on all three displays), then do the Fault Isolation steps at B.(3) below.
- (5) If the problem is on a single MFD position (all three camera views appear to be identically faulted on an individual display), then do this task: Display Unit Degradation - Fault Isolation, 31-61 TASK 961.
- (6) If the ground maneuver camera video display is not normal (blank, noisy, rolling bars on the individual display), check the airplane wiring between the TCIU and the Display Unit (DU)/MFD position with the degraded/blank video image.

### B. Fault Isolation

- (1) If the problem is for the nose gear video display, then replace the nose gear taxi camera, M31011.  
These are the tasks:  
Nose Gear Taxi Camera Removal, AMM TASK 31-61-21-000-801,  
Nose Gear Taxi Camera Installation, AMM TASK 31-61-21-400-801.
  - (a) If the ground maneuver camera video display is normal, then you corrected the fault.
- (2) If the problem is for the main gear video display, then replace the applicable main gear taxi camera, M31012 (left) or M31013 (right).  
These are the tasks:  
Main Gear Taxi Camera Removal, AMM TASK 31-61-21-000-802,  
Main Gear Taxi Camera Installation, AMM TASK 31-61-21-400-802.
  - (a) If the ground maneuver camera video display is normal, then you corrected the fault.
- (3) Replace the taxi camera interface unit, M31010.  
These are the tasks:

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Taxi Camera Interface Unit Removal, AMM TASK 31-61-22-000-801,  
Taxi Camera Interface Unit Installation, AMM TASK 31-61-22-400-801.

- (a) If the ground maneuver camera video display is normal, then you corrected the fault.

————— **END OF TASK** —————

### 963. AIMS Display Function no Input from EGPWC on WXR/EGPWC Data Bus-1 or Data Bus-2 - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-89133, 31-89134, 31-89135, 31-89136, 31-89143, 31-89144, 31-89146.

#### B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

#### C. Fault Isolation Procedure

- (1) Make these selections on the MAT to look for the existing faults:
- (a) ONBOARD MAINTENANCE
  - (b) EXTENDED MAINTENANCE
  - (c) EXISTING FAULTS
- 1) If a maintenance message related to a Ground Proximity Warning Computer or to a AIMS module shows in Existing Faults, then do these steps:
- a) Find the message in the applicable FIM Maintenance Message Index.
  - b) Do the specified task for the maintenance message.

————— **END OF TASK** —————

**| ARO 001, 002, 004-999; ARO 003 POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218**

### 964. EICAS CAUTION Message CHKL INCOMPLETE NORM - Fault Isolation

#### A. Description

- (1) This EICAS Message informs the flight crew that the normal checklists have not been completed for the TAKEOFF, APPROACH or LANDING phase of flight.

#### B. Fault Isolation Procedure

- (1) This is not a fault. No Maintenance Action is necessary.

————— **END OF TASK** —————

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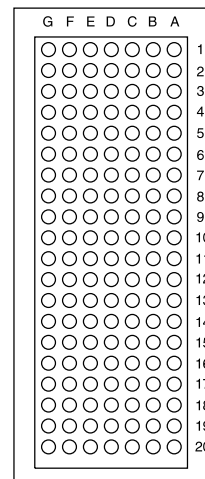
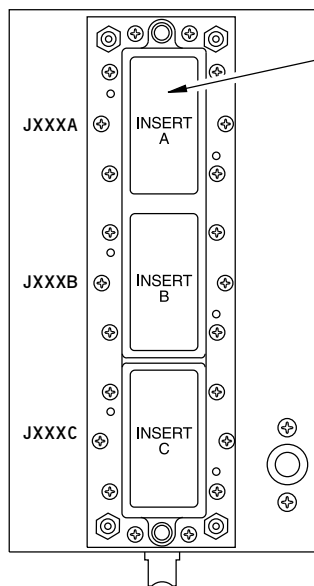
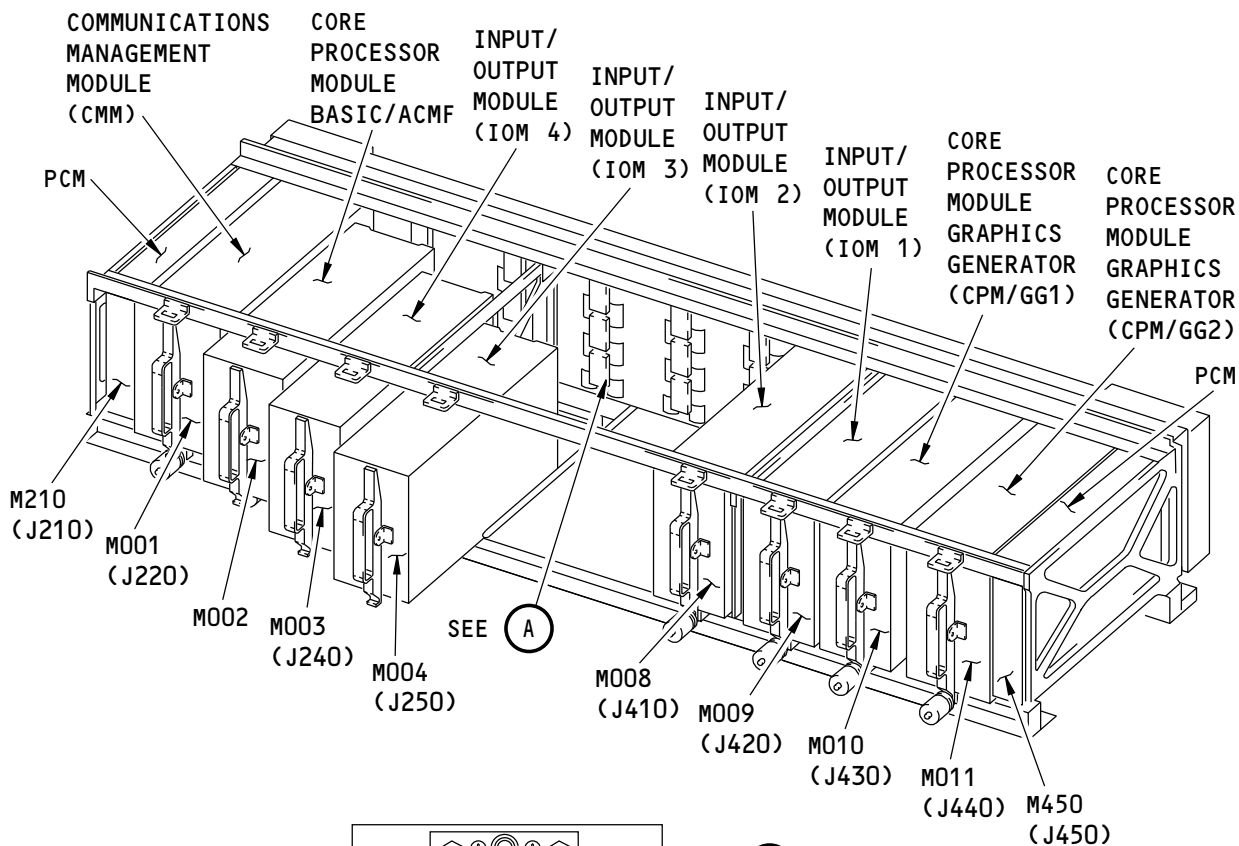
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CONNECTORS FOR IOMS  
(EXAMPLE)

**NOTE:** (JXXX) = CONNECTOR NUMBER

2070607 S0000431462\_V3

**AIMS Overview Schematic**  
**Figure 301/31-61-00-990-801**

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### 801. Procedure To Be Determined - Fault Isolation

#### A. Maintenance Messages

- (1) This task is for maintenance messages: 31-85101, 31-85102, 31-85103, 31-85104, 31-85105, 31-85106, 31-85107, 31-85108, 31-85109, 31-85110, 31-85111, 31-85112, 31-85113, 31-85114, 31-85115, 31-85116, 31-85117, 31-85118, 31-85119, 31-85120, 31-85121, 31-85122, 31-85123, 31-85124, 31-85125, 31-85126, 31-85127, 31-85128, 31-85129, 31-85130, 31-85131, 31-85132, 31-85201, 31-85202, 31-85203, 31-85204, 31-85205, 31-85206, 31-85207, 31-85208, 31-85209, 31-85210, 31-85211, 31-85212, 31-85213, 31-85214, 31-85215, 31-85216, 31-85217, 31-85218, 31-85219, 31-85220, 31-85221, 31-85222, 31-85223, 31-85224, 31-85225, 31-85226, 31-85227, 31-85228, 31-85229, 31-85230, 31-85231, 31-85232, 31-85233, 31-85234, 31-85235, 31-85236, 31-85301, 31-85302, 31-85303, 31-85304, 31-85305, 31-85306, 31-85307, 31-85308, 31-85309, 31-85310, 31-85311, 31-85312, 31-85351.

#### B. Fault Isolation Procedure

- (1) At this time the FIM does not have a procedure for this fault. The FIM will contain a procedure for this fault in the future.

————— END OF TASK —————

### 802. Observed Fault with Correlated Maintenance Messages - Fault Isolation

#### A. Initial Evaluation

NOTE: If maintenance memo DFDAF IN RIGHT AIMS (fault code 313 480 42) shows and there is no correlated maintenance message on the MAT, then no maintenance action is necessary.

- (1) Find the fault code to the right of the fault description in the Observed Faults List (at the front of the FIM).
  - (a) The first two digits of the fault code are the FIM chapter that you need. Go to the Fault Code Index in that chapter and find the fault code.
  - (b) Find the maintenance message to the right of the fault code.
  - (c) Find the task number on the same line as the maintenance message number.
  - (d) Go to the task in the FIM and do the steps in the task.

————— END OF TASK —————

### 803. No Faults During Flight Leg - Fault Isolation

#### A. Initial Evaluation

- (1) No maintenance action is necessary for this fault.

————— END OF TASK —————

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