

CHAPTER

34

NAVIGATION



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34-EFFECTIVE PAGES			34-FAULT CODE INDEX (cont)			34-FAULT CODE INDEX (cont)		
1 thru 9	SEP 05/2017		127	Sep 05/2015		163	May 05/2017	
10	BLANK		128	May 05/2017		164	May 05/2017	
34-HOW TO USE THE FIM			129	May 05/2017		165	May 05/2017	
1	Jan 05/2013		130	May 05/2017		166	May 05/2017	
2	Jan 05/2013		131	May 05/2017		167	May 05/2017	
3	Jan 05/2017		132	May 05/2017		168	May 05/2017	
4	Jan 05/2013		133	May 05/2017		169	May 05/2017	
5	Jan 05/2013		134	May 05/2017		170	May 05/2017	
6	Jan 05/2013		135	May 05/2017		171	May 05/2017	
34-FAULT CODE INDEX			136	May 05/2017		172	May 05/2017	
101	Jan 05/2013		137	May 05/2017		173	May 05/2017	
102	May 05/2015		138	May 05/2017		174	May 05/2017	
103	May 05/2015		139	May 05/2017		175	May 05/2017	
104	May 05/2015		140	May 05/2017		176	May 05/2017	
105	May 05/2015		141	May 05/2017		177	May 05/2017	
106	May 05/2015		142	May 05/2017		178	May 05/2017	
107	May 05/2015		143	May 05/2017		179	May 05/2017	
108	May 05/2015		144	May 05/2017		180	May 05/2017	
109	May 05/2015		145	May 05/2017		181	May 05/2017	
110	May 05/2015		146	May 05/2017		182	May 05/2017	
111	May 05/2015		147	May 05/2017		183	May 05/2017	
112	May 05/2015		148	May 05/2017		184	May 05/2017	
113	May 05/2015		149	May 05/2017		185	May 05/2017	
114	May 05/2015		150	May 05/2017		186	May 05/2017	
115	May 05/2015		151	May 05/2017		187	May 05/2017	
116	May 05/2015		152	May 05/2017		188	May 05/2017	
117	May 05/2015		153	May 05/2017		189	May 05/2017	
118	May 05/2015		154	May 05/2017		190	May 05/2017	
119	May 05/2015		155	May 05/2017		191	May 05/2017	
120	May 05/2015		156	May 05/2017		192	May 05/2017	
121	May 05/2015		157	May 05/2017		193	May 05/2017	
122	Sep 05/2015		158	May 05/2017		194	May 05/2017	
123	Sep 05/2015		159	May 05/2017		195	May 05/2017	
124	Sep 05/2015		160	May 05/2017		196	May 05/2017	
125	Sep 05/2015		161	May 05/2017		197	May 05/2017	
126	Sep 05/2015		162	May 05/2017		198	May 05/2017	

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198.1	May 05/2017		198.37	May 05/2017		198.73	May 05/2017	
198.2	May 05/2017		198.38	May 05/2017		198.74	May 05/2017	
198.3	May 05/2017		198.39	May 05/2017		198.75	May 05/2017	
198.4	May 05/2017		198.40	May 05/2017		198.76	May 05/2017	
198.5	May 05/2017		198.41	May 05/2017		198.77	May 05/2017	
198.6	May 05/2017		198.42	May 05/2017		198.78	May 05/2017	
198.7	May 05/2017		198.43	May 05/2017		198.79	May 05/2017	
198.8	May 05/2017		198.44	May 05/2017		198.80	May 05/2017	
198.9	May 05/2017		198.45	May 05/2017		198.81	May 05/2017	
198.10	May 05/2017		198.46	May 05/2017		198.82	May 05/2017	
198.11	May 05/2017		198.47	May 05/2017		198.83	May 05/2017	
198.12	May 05/2017		198.48	May 05/2017		198.84	May 05/2017	
198.13	May 05/2017		198.49	May 05/2017		198.85	May 05/2017	
198.14	May 05/2017		198.50	May 05/2017		198.86	May 05/2017	
198.15	May 05/2017		198.51	May 05/2017		198.87	May 05/2017	
198.16	May 05/2017		198.52	May 05/2017		198.88	May 05/2017	
198.17	May 05/2017		198.53	May 05/2017		198.89	May 05/2017	
198.18	May 05/2017		198.54	May 05/2017		198.90	May 05/2017	
198.19	May 05/2017		198.55	May 05/2017		198.91	May 05/2017	
198.20	May 05/2017		198.56	May 05/2017		198.92	May 05/2017	
198.21	May 05/2017		198.57	May 05/2017		198.93	May 05/2017	
198.22	May 05/2017		198.58	May 05/2017		198.94	May 05/2017	
198.23	May 05/2017		198.59	May 05/2017		198.95	May 05/2017	
198.24	May 05/2017		198.60	May 05/2017		198.96	May 05/2017	
198.25	May 05/2017		198.61	May 05/2017		198.97	May 05/2017	
198.26	May 05/2017		198.62	May 05/2017		198.98	May 05/2017	
198.27	May 05/2017		198.63	May 05/2017		198.99	May 05/2017	
198.28	May 05/2017		198.64	May 05/2017		198.100	May 05/2017	
198.29	May 05/2017		198.65	May 05/2017		198.101	May 05/2017	
198.30	May 05/2017		198.66	May 05/2017		198.102	May 05/2017	
198.31	May 05/2017		198.67	May 05/2017		34-MAINT MSG INDEX		
198.32	May 05/2017		198.68	May 05/2017		101	May 05/2016	
198.33	May 05/2017		198.69	May 05/2017		102	Sep 05/2016	
198.34	May 05/2017		198.70	May 05/2017		103	Sep 05/2016	
198.35	May 05/2017		198.71	May 05/2017		104	Sep 05/2016	
198.36	May 05/2017		198.72	May 05/2017		105	Sep 05/2016	

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106	Sep 05/2016		206	Sep 05/2016		227	Sep 05/2016	
107	Sep 05/2016		207	Sep 05/2016		228	Sep 05/2016	
108	Sep 05/2016		208	BLANK		229	Sep 05/2016	
109	Sep 05/2016		34-13 TASK SUPPORT			R 230	Sep 05/2017	
110	Sep 05/2016		301	Jan 05/2013		R 231	Sep 05/2017	
111	Sep 05/2016		302	Jan 05/2013		O 232	Sep 05/2017	
112	Sep 05/2016		34-20 TASKS			O 233	Sep 05/2017	
113	Sep 05/2016		201	Jan 05/2013		O 234	Sep 05/2017	
114	Sep 05/2016		202	BLANK		R 235	Sep 05/2017	
115	Sep 05/2016		34-21 TASKS			R 236	Sep 05/2017	
116	Sep 05/2016		201	May 05/2014		O 237	Sep 05/2017	
117	Sep 05/2016		202	Sep 05/2016		O 238	Sep 05/2017	
118	Sep 05/2016		203	Sep 05/2016		O 239	Sep 05/2017	
119	Sep 05/2016		R 204	Sep 05/2017		O 240	Sep 05/2017	
120	Sep 05/2016		205	Sep 05/2016		O 241	Sep 05/2017	
121	Sep 05/2016		206	Sep 05/2016		O 242	Sep 05/2017	
122	Sep 05/2016		207	Jan 05/2013		O 243	Sep 05/2017	
123	Sep 05/2016		208	Jan 05/2013		O 244	Sep 05/2017	
124	Sep 05/2016		209	Sep 05/2013		O 245	Sep 05/2017	
125	Sep 05/2016		210	Sep 05/2013		O 246	Sep 05/2017	
126	Sep 05/2016		211	Sep 05/2013		O 247	Sep 05/2017	
127	Sep 05/2016		212	Sep 05/2013		O 248	Sep 05/2017	
128	Sep 05/2016		213	Sep 05/2013		O 249	Sep 05/2017	
34-11 TASKS			214	Sep 05/2013		O 250	Sep 05/2017	
201	Sep 05/2014		215	Sep 05/2013		O 251	Sep 05/2017	
202	Sep 05/2014		216	Sep 05/2013		O 252	Sep 05/2017	
203	Sep 05/2014		217	Sep 05/2013		O 253	Sep 05/2017	
204	Sep 05/2014		218	Jan 05/2013		O 254	Sep 05/2017	
205	Sep 05/2014		219	Jan 05/2013		O 255	Sep 05/2017	
206	Sep 05/2014		220	Jan 05/2016		O 256	Sep 05/2017	
34-13 TASKS			221	Jan 05/2016		O 257	Sep 05/2017	
201	May 05/2015		222	Jan 05/2016		O 258	Sep 05/2017	
202	May 05/2015		223	Jan 05/2016		259	Sep 05/2016	
203	May 05/2015		224	Sep 05/2016		260	Sep 05/2016	
204	Sep 05/2016		225	Sep 05/2016		261	Sep 05/2016	
205	Sep 05/2016		226	Sep 05/2016		262	Sep 05/2016	

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263	Sep 05/2016		O 298.1	Sep 05/2017		210	Sep 05/2016	
264	Sep 05/2016		O 298.2	Sep 05/2017		211	Sep 05/2016	
265	Sep 05/2016		34-21 TASK SUPPORT			212	Sep 05/2016	
266	Sep 05/2016		301	Jan 05/2013		213	Sep 05/2016	
267	Sep 05/2016		302	Jan 05/2013		214	Sep 05/2016	
268	Sep 05/2016		34-23 TASKS			215	Sep 05/2016	
269	Sep 05/2016		201	Sep 05/2014		216	Sep 05/2016	
270	Sep 05/2016		202	BLANK		217	Sep 05/2016	
O 271	Sep 05/2017		34-24 TASKS			218	Sep 05/2016	
R 272	Sep 05/2017		201	Sep 05/2016		219	Sep 05/2016	
O 273	Sep 05/2017		202	Sep 05/2016		220	Sep 05/2016	
O 274	Sep 05/2017		203	Sep 05/2016		221	Sep 05/2016	
O 275	Sep 05/2017		204	Sep 05/2016		222	Sep 05/2016	
O 276	Sep 05/2017		205	Sep 05/2016		223	Sep 05/2016	
O 277	Sep 05/2017		206	Sep 05/2016		224	Sep 05/2016	
O 278	Sep 05/2017		207	Sep 05/2016		225	Sep 05/2016	
O 279	Sep 05/2017		208	Sep 05/2016		226	Sep 05/2016	
O 280	Sep 05/2017		209	Sep 05/2016		227	Sep 05/2016	
O 281	Sep 05/2017		210	Sep 05/2016		228	Sep 05/2016	
O 282	Sep 05/2017		211	Sep 05/2016		229	Sep 05/2016	
O 283	Sep 05/2017		212	Sep 05/2016		230	Sep 05/2016	
O 284	Sep 05/2017		213	Sep 05/2016		231	Sep 05/2016	
O 285	Sep 05/2017		214	Sep 05/2016		232	Sep 05/2016	
O 286	Sep 05/2017		34-24 TASK SUPPORT			233	Sep 05/2016	
O 287	Sep 05/2017		301	Jan 05/2013		234	Sep 05/2016	
O 288	Sep 05/2017		302	Jan 05/2013		235	Sep 05/2016	
O 289	Sep 05/2017		34-31 TASKS			O 236	Sep 05/2017	
O 290	Sep 05/2017		201	Jan 05/2013		O 237	Sep 05/2017	
O 291	Sep 05/2017		202	Jan 05/2013		O 238	Sep 05/2017	
O 292	Sep 05/2017		203	Sep 05/2016		O 239	Sep 05/2017	
O 293	Sep 05/2017		204	Sep 05/2016		O 240	Sep 05/2017	
O 294	Sep 05/2017		205	Sep 05/2016		O 241	Sep 05/2017	
R 295	Sep 05/2017		206	Sep 05/2016		O 242	Sep 05/2017	
R 296	Sep 05/2017		207	Sep 05/2016		O 243	Sep 05/2017	
O 297	Sep 05/2017		208	Sep 05/2016		O 244	Sep 05/2017	
O 298	Sep 05/2017		209	Sep 05/2016		O 245	Sep 05/2017	

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O 247	Sep 05/2017		216	Jan 05/2013		O 212	Sep 05/2017	
O 248	Sep 05/2017		217	Jan 05/2013		O 213	Sep 05/2017	
O 249	Sep 05/2017		218	Sep 05/2013		O 214	Sep 05/2017	
O 250	Sep 05/2017		O 219	Sep 05/2017		O 215	Sep 05/2017	
O 251	Sep 05/2017		O 220	Sep 05/2017		O 216	Sep 05/2017	
O 252	Sep 05/2017		O 221	Sep 05/2017		O 217	Sep 05/2017	
O 253	Sep 05/2017		O 222	Sep 05/2017		O 218	Sep 05/2017	
O 254	Sep 05/2017		O 223	Sep 05/2017		O 219	Sep 05/2017	
O 255	Sep 05/2017		O 224	Sep 05/2017		O 220	Sep 05/2017	
O 256	Sep 05/2017		O 225	Sep 05/2017		O 221	Sep 05/2017	
O 257	Sep 05/2017		O 226	Sep 05/2017		O 222	Sep 05/2017	
O 258	Sep 05/2017		O 227	Sep 05/2017		O 223	Sep 05/2017	
A 259	Sep 05/2017		O 228	Sep 05/2017		O 224	Sep 05/2017	
A 260	BLANK		R 229	Sep 05/2017		O 225	Sep 05/2017	
34-31 TASK SUPPORT			R 230	Sep 05/2017		O 226	Sep 05/2017	
301	Jan 05/2013		R 231	Sep 05/2017		O 227	Sep 05/2017	
302	Jan 05/2013		R 232	Sep 05/2017		O 228	Sep 05/2017	
34-32 TASKS			R 233	Sep 05/2017		O 229	Sep 05/2017	
201	May 05/2013		O 234	Sep 05/2017		O 230	Sep 05/2017	
202	May 05/2013		D 235	Sep 5/2017		O 231	Sep 05/2017	
34-33 TASKS			D 236	BLANK		O 232	Sep 05/2017	
201	Jan 05/2013		34-33 TASK SUPPORT			O 233	Sep 05/2017	
202	Jan 05/2013		301	Jan 05/2013		O 234	Sep 05/2017	
203	Jan 05/2013		302	Jan 05/2013		O 235	Sep 05/2017	
204	Jan 05/2013		34-43 TASKS			O 236	Sep 05/2017	
205	Jan 05/2013		201	Jan 05/2013		O 237	Sep 05/2017	
206	Sep 05/2016		202	Jan 05/2013		O 238	Sep 05/2017	
207	Sep 05/2016		203	Jan 05/2013		O 239	Sep 05/2017	
208	Sep 05/2016		204	Jan 05/2013		O 240	Sep 05/2017	
209	Sep 05/2016		205	Sep 05/2016		O 241	Sep 05/2017	
210	Sep 05/2016		206	Sep 05/2016		O 242	Sep 05/2017	
211	Sep 05/2016		R 207	Sep 05/2017		O 243	Sep 05/2017	
212	May 05/2013		R 208	Sep 05/2017		O 244	Sep 05/2017	
213	May 05/2013		R 209	Sep 05/2017		O 245	Sep 05/2017	
214	Jan 05/2013		R 210	Sep 05/2017		O 246	Sep 05/2017	

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O 248	Sep 05/2017		O 214	Sep 05/2017		210	Sep 05/2016	
O 249	Sep 05/2017		O 215	Sep 05/2017		211	Sep 05/2016	
O 250	Sep 05/2017		216	Sep 05/2016		212	Sep 05/2016	
O 251	Sep 05/2017		217	Sep 05/2016		213	Sep 05/2016	
O 252	Sep 05/2017		218	Sep 05/2016		214	Sep 05/2016	
O 253	Sep 05/2017		219	Sep 05/2016		215	Sep 05/2016	
O 254	Sep 05/2017		220	Sep 05/2016		216	Sep 05/2016	
O 255	Sep 05/2017		221	Sep 05/2016		217	Sep 05/2016	
O 256	Sep 05/2017		222	Sep 05/2016		218	Sep 05/2016	
O 257	Sep 05/2017		223	Sep 05/2016		219	Sep 05/2016	
O 258	Sep 05/2017		224	Sep 05/2016		220	Sep 05/2016	
O 259	Sep 05/2017		225	Sep 05/2016		221	Sep 05/2016	
O 260	Sep 05/2017		226	Sep 05/2016		222	Sep 05/2016	
O 261	Sep 05/2017		227	Sep 05/2016		223	Sep 05/2016	
O 262	Sep 05/2017		228	Sep 05/2016		224	Sep 05/2016	
O 263	Sep 05/2017		229	Sep 05/2016		225	Sep 05/2016	
O 264	Sep 05/2017		230	Sep 05/2016		226	Sep 05/2016	
A 265	Sep 05/2017		231	Sep 05/2016		227	Sep 05/2016	
A 266	BLANK		232	Sep 05/2016		228	Sep 05/2016	
34-43 TASK SUPPORT			233	Sep 05/2016		229	Sep 05/2016	
301	Jan 05/2013		234	Sep 05/2016		230	Sep 05/2016	
302	Jan 05/2013		235	Sep 05/2016		231	Sep 05/2016	
34-45 TASKS			236	BLANK		232	Sep 05/2016	
R 201	Sep 05/2017		34-45 TASK SUPPORT			233	Sep 05/2016	
O 202	Sep 05/2017		301	Jan 05/2013		234	Sep 05/2016	
O 203	Sep 05/2017		302	Jan 05/2013		34-46 TASK SUPPORT		
O 204	Sep 05/2017		34-46 TASKS			301	Jan 05/2013	
O 205	Sep 05/2017		201	Jan 05/2013		302	Jan 05/2013	
O 206	Sep 05/2017		202	Jan 05/2013		34-51 TASKS		
O 207	Sep 05/2017		203	Sep 05/2016		201	May 05/2015	
O 208	Sep 05/2017		204	Sep 05/2016		202	May 05/2015	
O 209	Sep 05/2017		205	Sep 05/2016		203	May 05/2015	
O 210	Sep 05/2017		206	Sep 05/2016		204	May 05/2015	
O 211	Sep 05/2017		207	Sep 05/2016		205	May 05/2015	
O 212	Sep 05/2017		208	Sep 05/2016		206	May 05/2015	

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208	Sep 05/2016		O 224	Sep 05/2017		302	Jan 05/2013	
209	Sep 05/2016		O 225	Sep 05/2017		34-57 TASKS		
210	Sep 05/2016		O 226	Sep 05/2017		R 201	Sep 05/2017	
211	Sep 05/2016		O 227	Sep 05/2017		R 202	Sep 05/2017	
212	Sep 05/2016		O 228	Sep 05/2017		R 203	Sep 05/2017	
213	Sep 05/2016		O 229	Sep 05/2017		R 204	Sep 05/2017	
214	Sep 05/2016		O 230	Sep 05/2017		R 205	Sep 05/2017	
215	May 05/2015		O 231	Sep 05/2017		R 206	Sep 05/2017	
216	BLANK		O 232	Sep 05/2017		R 207	Sep 05/2017	
34-51 TASK SUPPORT			O 233	Sep 05/2017		R 208	Sep 05/2017	
301	Jan 05/2013		R 234	Sep 05/2017		R 209	Sep 05/2017	
302	Jan 05/2013		O 235	Sep 05/2017		R 210	Sep 05/2017	
34-53 TASKS			R 236	Sep 05/2017		R 211	Sep 05/2017	
R 201	Sep 05/2017		O 237	Sep 05/2017		212	BLANK	
O 202	Sep 05/2017		238	BLANK		34-57 TASK SUPPORT		
O 203	Sep 05/2017		34-53 TASK SUPPORT			R 301	Sep 05/2017	
O 204	Sep 05/2017		R 301	Sep 05/2017		R 302	Sep 05/2017	
O 205	Sep 05/2017		302	BLANK		34-58 TASKS		
O 206	Sep 05/2017		34-55 TASKS			201	May 05/2013	
O 207	Sep 05/2017		R 201	Sep 05/2017		202	May 05/2013	
O 208	Sep 05/2017		O 202	Sep 05/2017		203	May 05/2013	
R 209	Sep 05/2017		O 203	Sep 05/2017		204	May 05/2013	
R 210	Sep 05/2017		O 204	Sep 05/2017		R 205	Sep 05/2017	
O 211	Sep 05/2017		O 205	Sep 05/2017		O 206	Sep 05/2017	
O 212	Sep 05/2017		O 206	Sep 05/2017		34-61 TASKS		
O 213	Sep 05/2017		O 207	Sep 05/2017		201	Jan 05/2013	
O 214	Sep 05/2017		O 208	Sep 05/2017		202	Jan 05/2013	
O 215	Sep 05/2017		O 209	Sep 05/2017		203	Jan 05/2013	
O 216	Sep 05/2017		O 210	Sep 05/2017		204	Jan 05/2013	
O 217	Sep 05/2017		O 211	Sep 05/2017		205	Jan 05/2013	
O 218	Sep 05/2017		O 212	Sep 05/2017		206	Jan 05/2013	
O 219	Sep 05/2017		O 213	Sep 05/2017		207	Jan 05/2013	
O 220	Sep 05/2017		O 214	Sep 05/2017		208	Jan 05/2013	
O 221	Sep 05/2017					209	Jan 05/2013	
O 222	Sep 05/2017					210	Sep 05/2016	

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211	Sep 05/2016		247	Jan 05/2013		283	Jan 05/2013	
212	Sep 05/2016		248	Jan 05/2013		284	Jan 05/2013	
213	Sep 05/2016		249	Jan 05/2013		285	Jan 05/2013	
214	Sep 05/2016		250	Jan 05/2013		286	Jan 05/2013	
215	Sep 05/2016		251	Jan 05/2013		287	Jan 05/2013	
216	Sep 05/2016		252	Jan 05/2013		288	Jan 05/2013	
217	Sep 05/2016		253	Jan 05/2013		289	Jan 05/2013	
218	Sep 05/2016		254	Jan 05/2013		290	Jan 05/2013	
219	Sep 05/2016		255	Jan 05/2013		291	Jan 05/2013	
220	Sep 05/2016		256	Jan 05/2013		292	Jan 05/2013	
221	Sep 05/2016		257	Jan 05/2013		293	Jan 05/2013	
222	Sep 05/2016		258	Jan 05/2013		294	Jan 05/2013	
223	Sep 05/2016		259	Jan 05/2013		295	Jan 05/2013	
224	Sep 05/2016		260	Jan 05/2013		296	Jan 05/2013	
225	Sep 05/2016		261	Sep 05/2016		297	Jan 05/2013	
226	Sep 05/2016		262	Sep 05/2016		298	Jan 05/2013	
227	Sep 05/2016		263	Jan 05/2013		298.1	Jan 05/2013	
228	Sep 05/2016		264	Jan 05/2013		298.2	Jan 05/2013	
229	Sep 05/2016		265	Jan 05/2013		298.3	Jan 05/2013	
230	Sep 05/2016		266	Jan 05/2013		298.4	Jan 05/2013	
231	Sep 05/2016		267	Jan 05/2013		298.5	Jan 05/2013	
232	Sep 05/2016		268	Jan 05/2013		298.6	Jan 05/2013	
233	Sep 05/2016		269	Jan 05/2013		298.7	Jan 05/2013	
234	Sep 05/2016		270	Jan 05/2013		298.8	Jan 05/2013	
235	Sep 05/2016		271	Jan 05/2013		298.9	Jan 05/2013	
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	Jan 05/2013		274	Sep 05/2016		298.12	Sep 05/2016	
239	Jan 05/2013		275	Sep 05/2016		298.13	Sep 05/2016	
240	Jan 05/2013		276	Sep 05/2016		298.14	Sep 05/2016	
241	Jan 05/2013		277	Sep 05/2016		298.15	Sep 05/2016	
242	Jan 05/2013		278	Sep 05/2016		298.16	Sep 05/2016	
243	Jan 05/2013		279	Sep 05/2016		298.17	Sep 05/2016	
244	Jan 05/2013		280	Sep 05/2016		298.18	Sep 05/2016	
245	Jan 05/2013		281	Jan 05/2013		298.19	Sep 05/2016	
246	Jan 05/2013		282	Jan 05/2013		298.20	Sep 05/2016	

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

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**CHAPTER 34
NAVIGATION**

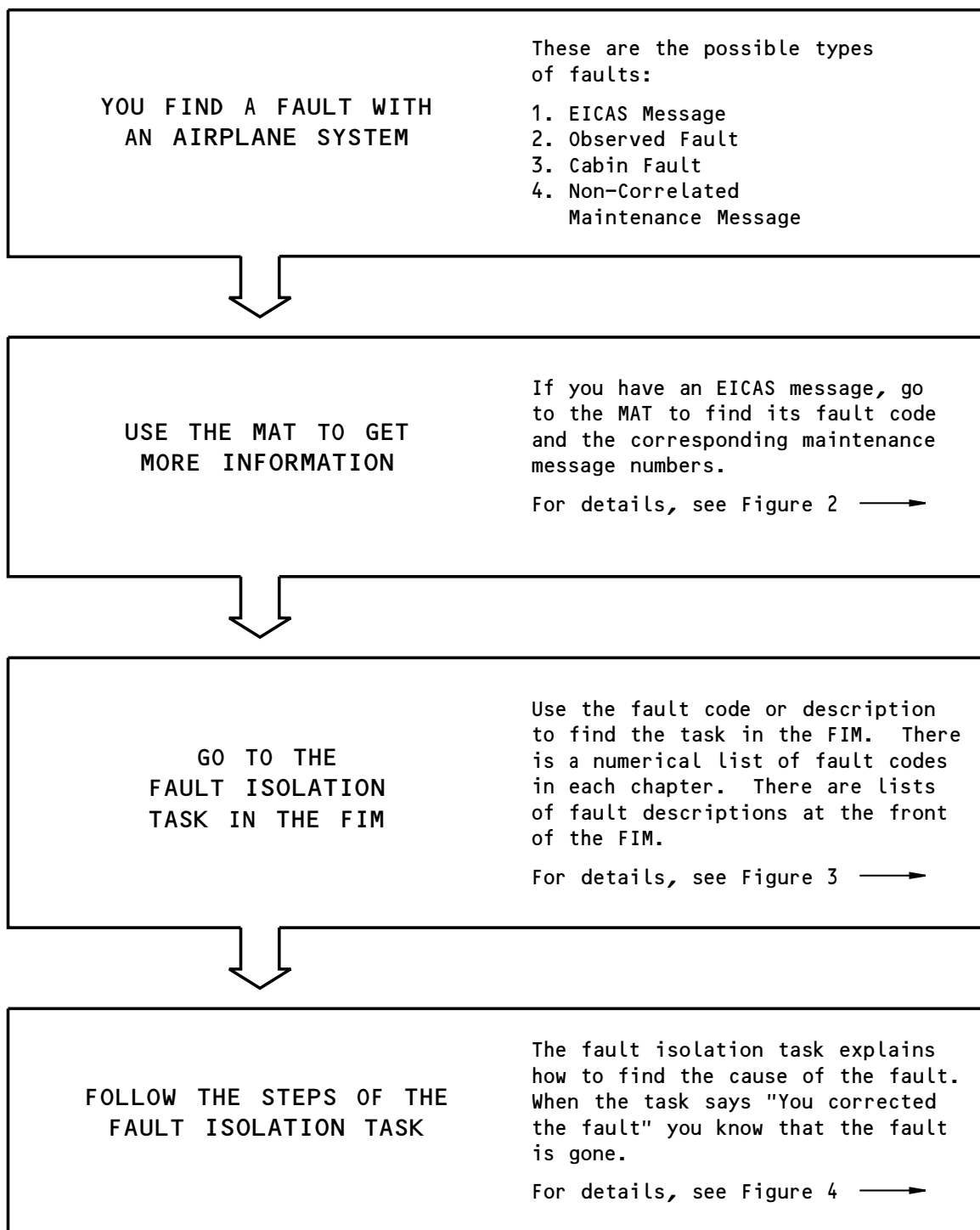
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298.21	Sep 05/2016		298.57	Sep 05/2016				
298.22	Sep 05/2016		298.58	Sep 05/2016				
298.23	Sep 05/2016		298.59	Sep 05/2016				
298.24	Sep 05/2016		R 298.60	Sep 05/2017				
298.25	Sep 05/2016		298.61	Sep 05/2016				
298.26	Sep 05/2016		298.62	BLANK				
298.27	Sep 05/2016		34-90 TASKS					
298.28	Sep 05/2016		201	Jan 05/2013				
298.29	Sep 05/2016		202	BLANK				
298.30	Sep 05/2016		34-98 TASKS					
298.31	Sep 05/2016		201	Jan 05/2013				
298.32	Sep 05/2016		202	BLANK				
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298.34	Sep 05/2016							
298.35	Sep 05/2016							
298.36	Sep 05/2016							
298.37	Sep 05/2016							
298.38	Sep 05/2016							
298.39	Sep 05/2016							
298.40	Sep 05/2016							
298.41	Sep 05/2016							
298.42	Sep 05/2016							
298.43	Sep 05/2016							
298.44	Sep 05/2016							
298.45	Sep 05/2016							
298.46	Sep 05/2016							
298.47	Sep 05/2016							
298.48	Sep 05/2016							
298.49	Sep 05/2016							
298.50	Sep 05/2016							
298.51	Sep 05/2016							
298.52	Sep 05/2016							
298.53	Sep 05/2016							
298.54	Sep 05/2016							
298.55	Sep 05/2016							
298.56	Sep 05/2016							

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E84424 S0000132469_V1

Basic Fault Isolation Process
Figure 1

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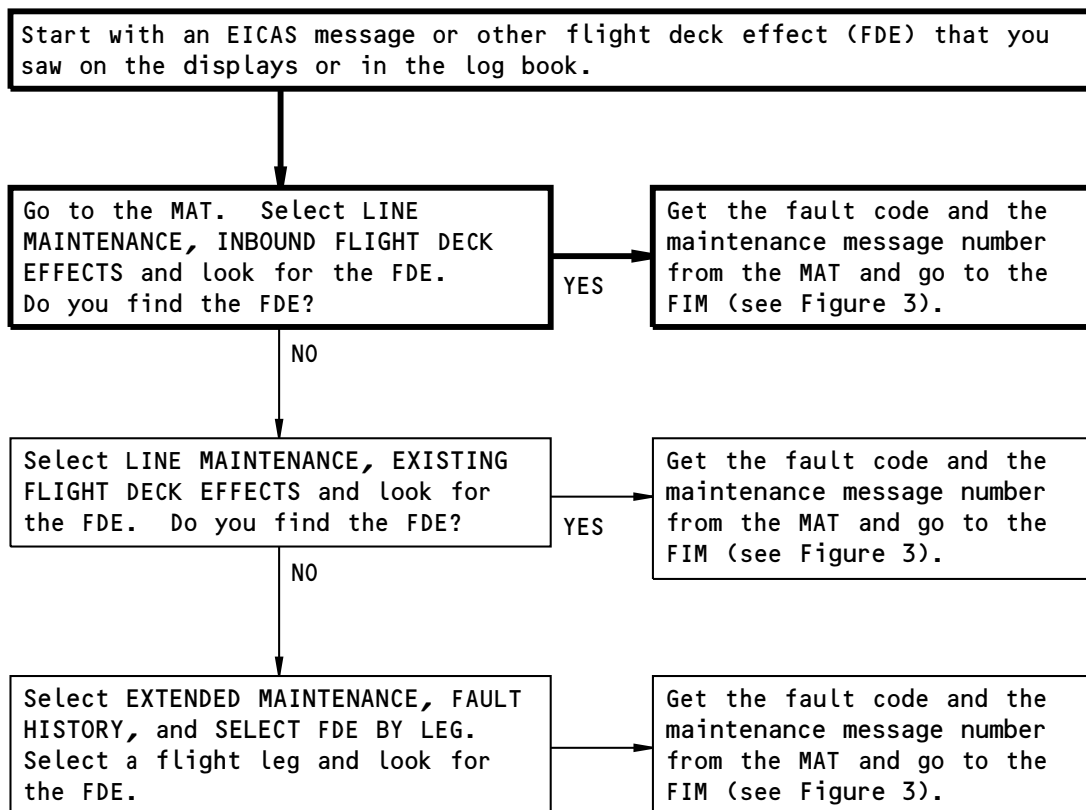
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NOTE: The bold lines show the most common path.

E84425 S0000132475_V1

Getting Fault Information from the MAT
Figure 2

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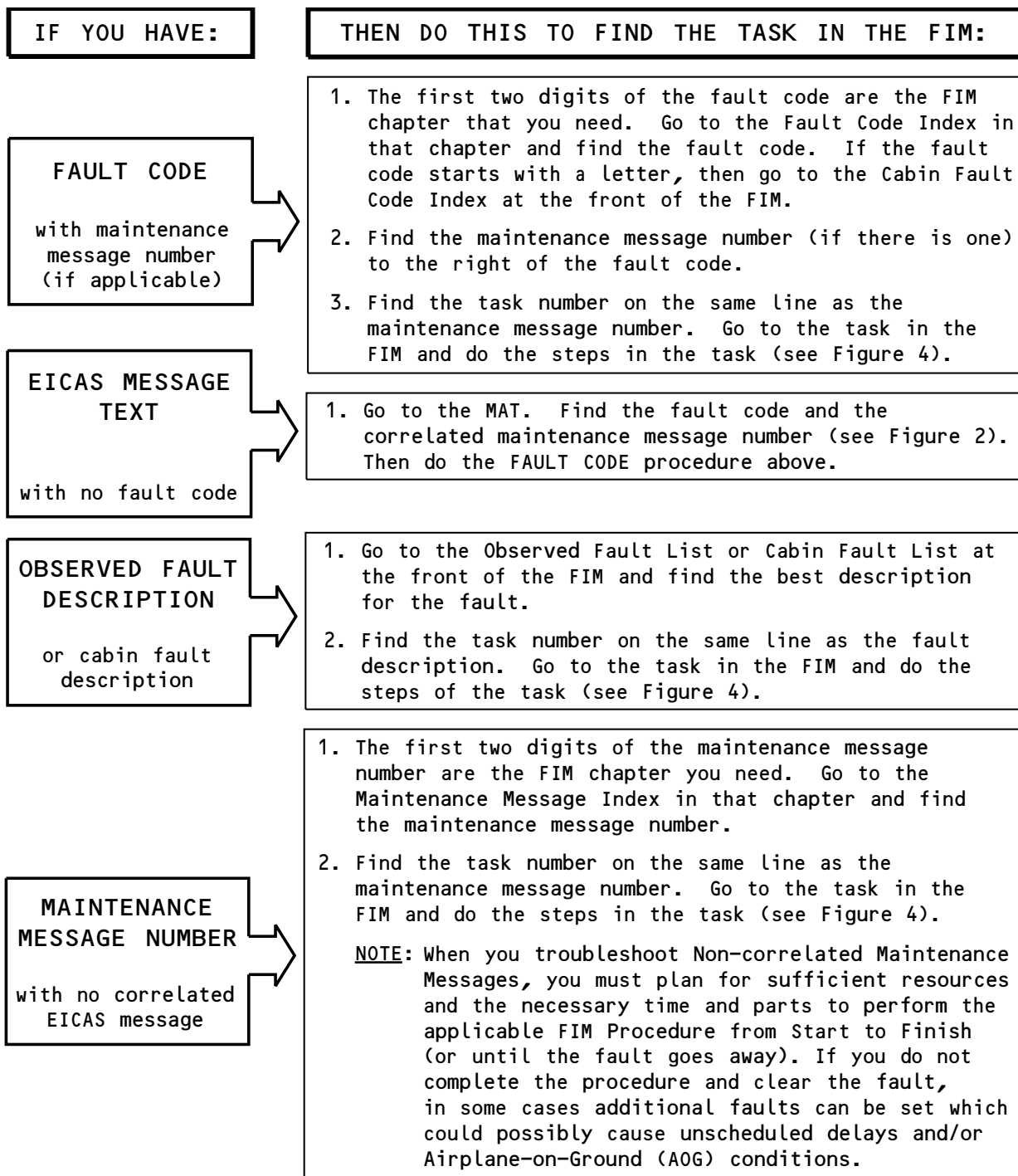
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E84427 S0000132476_V2

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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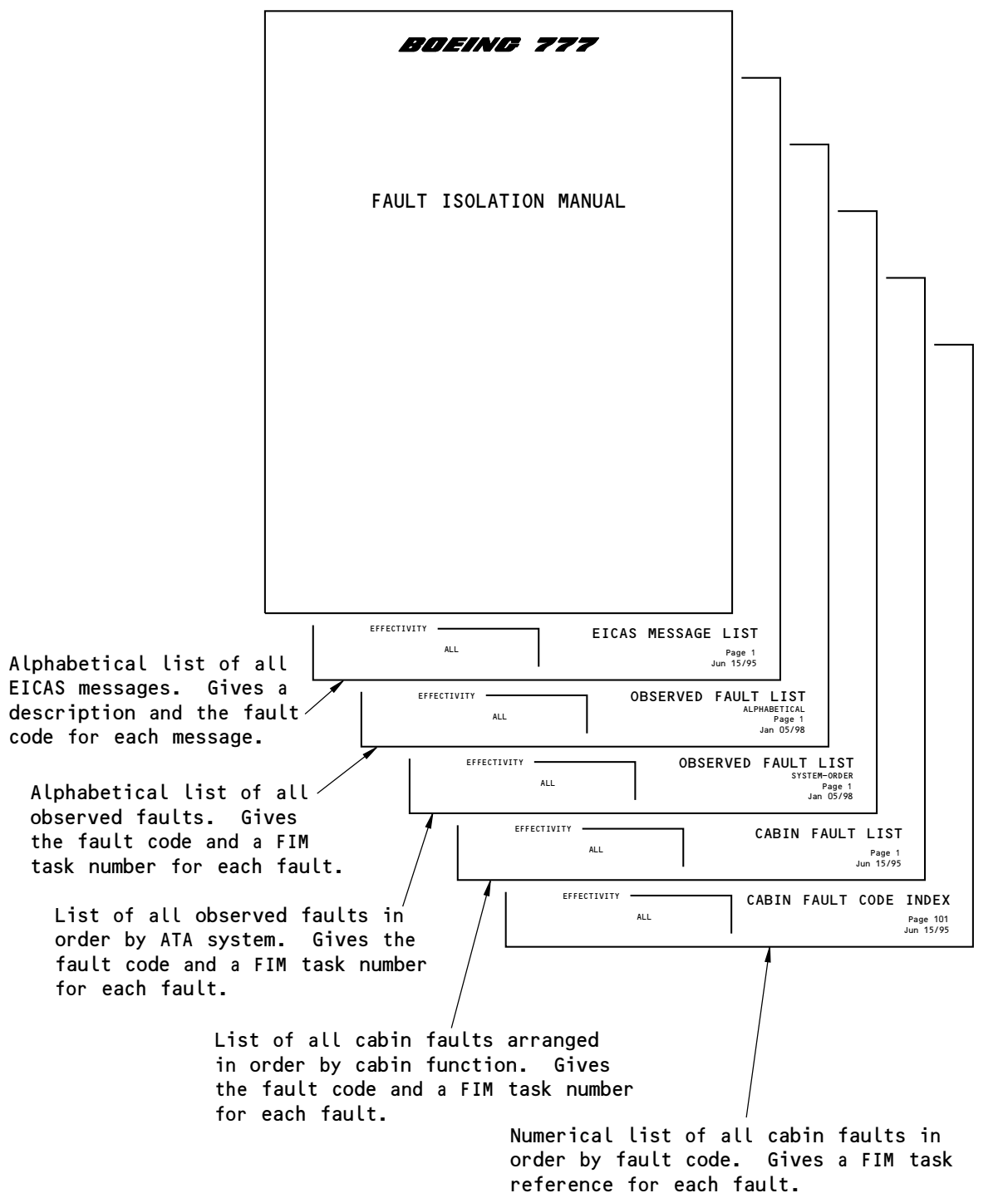
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F39750 S0000132478_V1

Subjects at Front of FIM
Figure 5

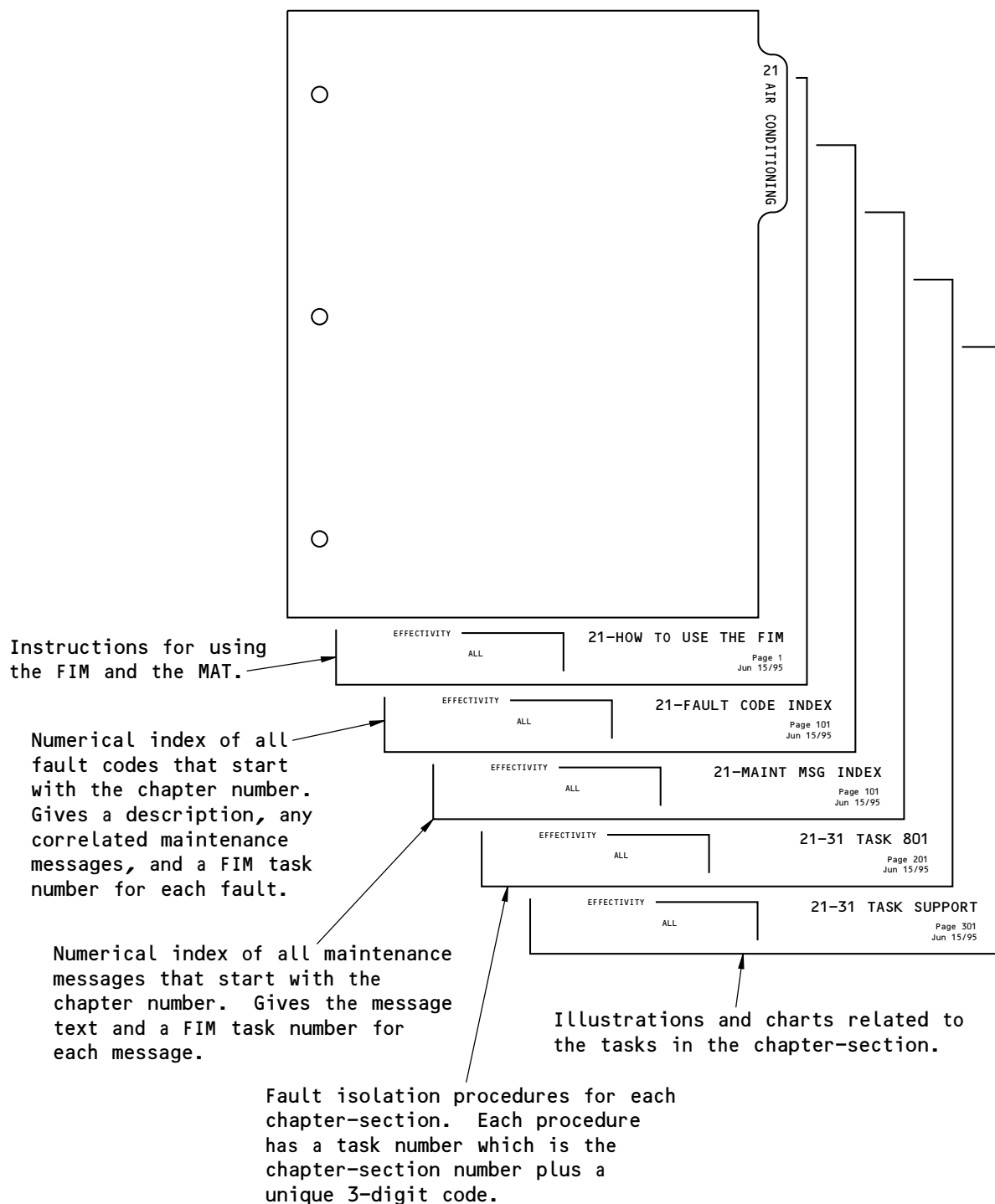
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F39837 S0000132479_V1

Subjects in Each FIM Chapter
Figure 6

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
341 001 00	ALTITUDE ALERT (EICAS CAUTION)		31-51 TASK 958
341 011 00	ALTITUDE ALERT 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
		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

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
341 011 00	ALTITUDE ALERT SYS (EICAS STATUS)	(continued)	
		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
		27-14018	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
		27-15100	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

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
341 011 00	ALTITUDE ALERT SYS (EICAS STATUS)	(continued)	
		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
		31-50201	31-43 TASK 852
		31-50202	31-43 TASK 853
		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
		31-51043	31-44 TASK 871
		31-51044	31-44 TASK 872
		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

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
341 011 00	ALTITUDE ALERT SYS (EICAS STATUS)	(continued)	
		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
		31-56111	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

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
341 011 00	ALTITUDE ALERT SYS (EICAS STATUS)	(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
		31-61071	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
		31-68801	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
		31-69301	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

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
341 011 00	ALTITUDE ALERT SYS (EICAS STATUS)	(continued)	
		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
		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
		31-72121	31-51 TASK 979
		31-72122	31-51 TASK 979
		31-72161	31-51 TASK 981
		31-72162	31-51 TASK 981
		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

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
341 011 00	ALTITUDE ALERT SYS (EICAS STATUS)	(continued)	
		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
		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

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
341 011 00	ALTITUDE ALERT SYS (EICAS STATUS)	(continued)	
		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
		34-31601	34-21 TASK 821
		34-32601	34-21 TASK 822
		34-34603	34-21 TASK 887
		34-35603	34-21 TASK 888
		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

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
341 011 00	ALTITUDE ALERT SYS (EICAS STATUS)	(continued) 34-46891	34-46 TASK 803
341 021 00	WINDSHEAR SYS (EICAS ADVISORY)	21-16205 23-81001 23-81002 23-81003 23-81004 23-81006 24-11784 24-11790 24-11793 24-11795 24-11796 24-12057 24-12122 24-12124 24-12125 24-12126 24-12127 24-12800 24-12801 24-13817 24-18801 24-18802 24-78841 24-78842 24-78861 24-78862 27-14018 27-14019 27-14020 27-14025 27-14026 27-14027 27-14030 27-14031	21-25 TASK 823 23-91 TASK 801 23-91 TASK 802 23-91 TASK 803 23-91 TASK 804 23-91 TASK 806 24-51 TASK 836 24-08 TASK 833 24-08 TASK 834 24-08 TASK 804 24-08 TASK 804 24-08 TASK 836 24-08 TASK 835 24-51 TASK 840 24-51 TASK 841 24-51 TASK 841 24-51 TASK 842 24-08 TASK 805 24-08 TASK 805 24-33 TASK 818 24-09 TASK 806 24-09 TASK 807 24-08 TASK 860 24-08 TASK 862 24-08 TASK 861 24-08 TASK 863 27-02 TASK 813 27-02 TASK 941 27-02 TASK 942 27-02 TASK 943 27-02 TASK 944 27-02 TASK 945 27-02 TASK 905 27-02 TASK 906

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341 021 00	WINDSHEAR SYS (EICAS ADVISORY)	(continued)	
		27-14032	27-02 TASK 907
		27-14033	27-02 TASK 908
		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
		30-36641	30-31 TASK 807
		30-36642	30-31 TASK 808
		30-36643	30-31 TASK 809
		31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802
		31-50091	31-44 TASK 819
		31-50092	31-44 TASK 820
		31-51014	31-44 TASK 864
		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
		31-51142	31-44 TASK 828
		31-51144	31-44 TASK 832
		31-51342	31-44 TASK 834
		31-51344	31-44 TASK 836
		31-51411	34-61 TASK 913

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
341 021 00	WINDSHEAR SYS (EICAS ADVISORY)	(continued)	
		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
		31-51561	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
		31-51731	31-44 TASK 841
		31-51732	31-44 TASK 842
		31-51733	31-44 TASK 843
		31-51734	31-44 TASK 844
		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
		31-52112	31-41 TASK 820
		31-52501	31-43 TASK 809

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
341 021 00	WINDSHEAR SYS (EICAS ADVISORY)	(continued)	
		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
		31-52581	31-43 TASK 855
		31-52582	31-43 TASK 855
		31-52591	31-43 TASK 855
		31-52592	31-43 TASK 855
		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
		31-54101	31-41 TASK 834
		31-54102	31-41 TASK 835
		31-54121	31-41 TASK 838
		31-54122	31-41 TASK 839
		31-54501	31-43 TASK 854
		31-54502	31-43 TASK 854
		31-54512	31-43 TASK 854
		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
		31-56013	31-43 TASK 870

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
341 021 00	WINDSHEAR SYS (EICAS ADVISORY)	(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
		31-56501	31-43 TASK 854
		31-56502	31-43 TASK 854
		31-56531	31-43 TASK 824
		31-56532	31-43 TASK 825
		31-56581	31-43 TASK 855
		31-56582	31-43 TASK 855
		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
		31-58101	31-41 TASK 852
		31-58102	31-41 TASK 853
		31-58121	31-41 TASK 856
		31-58122	31-41 TASK 857
		31-58511	31-43 TASK 854
		31-59701	31-41 TASK 858
		31-59711	31-41 TASK 858
		31-61011	31-43 TASK 861
		31-61012	31-43 TASK 862
		31-61020	31-43 TASK 863
		31-61071	31-43 TASK 841
		31-61072	31-43 TASK 842
		31-62012	31-43 TASK 844
		31-62020	31-43 TASK 845
		31-62072	31-43 TASK 851

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
341 021 00	WINDSHEAR SYS (EICAS ADVISORY)	(continued)	
		31-68801	31-43 TASK 892
		31-68802	31-43 TASK 893
		31-68811	31-42 TASK 908
		31-68832	31-42 TASK 908
		31-68891	31-43 TASK 876
		31-68893	31-43 TASK 877
		31-68894	31-43 TASK 878
		31-68895	31-43 TASK 879
		31-68896	31-43 TASK 880
		31-68897	31-43 TASK 881
		31-68898	31-43 TASK 882
		31-68906	31-43 TASK 890
		31-69101	31-42 TASK 801
		31-69102	31-42 TASK 801
		31-69117	31-42 TASK 806
		31-69118	31-42 TASK 806
		31-69202	31-42 TASK 809
		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
		31-69496	31-42 TASK 915
		31-69497	31-42 TASK 915
		31-69601	31-42 TASK 857
		31-69602	31-42 TASK 857
		31-69965	31-42 TASK 897
		31-69966	31-42 TASK 897
		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

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341 021 00	WINDSHEAR SYS (EICAS ADVISORY)	(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
		31-89417	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
		34-25800	34-21 TASK 809
		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

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341 021 00	WINDSHEAR SYS (EICAS ADVISORY)	(continued)	
		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
		34-32803	34-21 TASK 822
		34-33800	34-21 TASK 886
		34-36800	34-21 TASK 890
		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
		34-39201	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
		34-42011	34-33 TASK 801
		34-42012	34-33 TASK 801

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341 021 00	WINDSHEAR SYS (EICAS ADVISORY)	(continued)	
		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
		34-42894	34-33 TASK 806
		34-42896	34-33 TASK 807
		34-44031	34-43 TASK 821
		34-44032	34-43 TASK 822
		34-46050	34-46 TASK 802
		34-46891	34-46 TASK 803
		34-49925	34-43 TASK 814
		34-49926	34-43 TASK 815
		34-49928	34-43 TASK 816
		34-49929	34-43 TASK 817
		34-49949	34-46 TASK 805
		34-49952	34-46 TASK 811
		34-49970	34-46 TASK 816
		34-49972	34-46 TASK 818
		34-49973	34-46 TASK 815
		34-50003	34-43 TASK 847
		34-50004	34-43 TASK 848
		34-50005	34-43 TASK 849
		34-50006	34-43 TASK 850
		34-50007	34-43 TASK 851
		34-50008	34-43 TASK 852
		34-50009	34-43 TASK 853
		34-50010	34-43 TASK 854
		34-50011	34-43 TASK 855
		34-50012	34-43 TASK 856

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341 021 00	WINDSHEAR SYS (EICAS ADVISORY)	(continued)	
		34-50013	34-43 TASK 857
		34-50014	34-43 TASK 858
		34-50015	34-43 TASK 859
		34-50016	34-43 TASK 860
		34-50017	34-43 TASK 861
		34-50018	34-43 TASK 862
		34-50019	34-43 TASK 863
		34-50020	34-43 TASK 864
		34-50021	34-43 TASK 865
		34-50022	34-43 TASK 866
		34-50023	34-43 TASK 867
		34-50024	34-43 TASK 868
		34-50025	34-43 TASK 869
		34-50026	34-43 TASK 870
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
		34-71060	34-90 TASK 801
341 022 00	WINDSHEAR REAC (EICAS STATUS)	21-16205	21-25 TASK 823
		23-81001	23-91 TASK 801
		23-81004	23-91 TASK 804
		23-81006	23-91 TASK 806
		24-11784	24-51 TASK 836
		24-11790	24-08 TASK 833
		24-11793	24-08 TASK 834
		24-11795	24-08 TASK 804
		24-11796	24-08 TASK 804
		24-12057	24-08 TASK 836
		24-12122	24-08 TASK 835
		24-12126	24-51 TASK 841
		24-12800	24-08 TASK 805
		24-12801	24-08 TASK 805
		24-13817	24-33 TASK 818
		24-18801	24-09 TASK 806
		24-18802	24-09 TASK 807
		24-78841	24-08 TASK 860

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341 022 00	WINDSHEAR REAC (EICAS STATUS)	(continued)	
		24-78842	24-08 TASK 862
		24-78861	24-08 TASK 861
		24-78862	24-08 TASK 863
		27-15100	27-02 TASK 946
		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
		31-51531	31-44 TASK 837
		31-51533	31-44 TASK 839
		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
		31-51731	31-44 TASK 841
		31-51733	31-44 TASK 843
		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
		31-52501	31-43 TASK 809

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341 022 00	WINDSHEAR REAC (EICAS STATUS)	(continued)	
		31-52502	31-43 TASK 810
		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
		31-54013	31-43 TASK 868
		31-54014	31-43 TASK 869
		31-54121	31-41 TASK 838
		31-55401	31-41 TASK 840
		31-55402	31-41 TASK 841
		31-56013	31-43 TASK 870
		31-56111	31-41 TASK 846
		31-58013	31-43 TASK 872
		31-58101	31-41 TASK 852
		31-58121	31-41 TASK 856
		31-61011	31-43 TASK 861
		31-61020	31-43 TASK 863
		31-61071	31-43 TASK 841
		31-68801	31-43 TASK 892
		31-68802	31-43 TASK 893
		31-68811	31-42 TASK 908
		31-68891	31-43 TASK 876
		31-68906	31-43 TASK 890
		31-69101	31-42 TASK 801
		31-69401	31-42 TASK 825
		31-69496	31-42 TASK 915
		31-69601	31-42 TASK 857
		31-69965	31-42 TASK 897
		31-69966	31-42 TASK 897
		31-80020	31-61 TASK 829
		31-81011	31-61 TASK 811
		31-81012	31-61 TASK 812
		31-81041	31-61 TASK 803

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341 022 00	WINDSHEAR REAC (EICAS STATUS)	(continued)	
		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
		31-89417	31-42 TASK 915
		31-89617	31-42 TASK 916
		31-89619	31-42 TASK 916
		34-25800	34-21 TASK 809
		34-26101	34-21 TASK 810
		34-26201	34-21 TASK 843
		34-28813	34-21 TASK 813
		34-28816	34-21 TASK 814
		34-29102	34-21 TASK 815
		34-29105	34-21 TASK 816
		34-29107	34-21 TASK 817
		34-29120	34-21 TASK 894
		34-32803	34-21 TASK 822
		34-33800	34-21 TASK 886
		34-36800	34-21 TASK 890
		34-39101	34-21 TASK 825
		34-39111	34-21 TASK 828
		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
		34-42894	34-33 TASK 806

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
341 022 00	WINDSHEAR REAC (EICAS STATUS)	(continued) 34-42896 34-46050 34-46891 34-49949 34-49952 34-49970 34-49972 34-49973	34-33 TASK 807 34-46 TASK 802 34-46 TASK 803 34-46 TASK 805 34-46 TASK 811 34-46 TASK 816 34-46 TASK 818 34-46 TASK 815
341 023 00	WXR SYS (EICAS STATUS) Before you do any task listed here, see FIM 34-43 TASK 843. NOTE: AIMS CAN LATCH THIS MESSAGE.	24-11784 24-12127 24-12128 31-50011 31-50012 31-50091 31-50092 31-51033 31-51034 31-51043 31-51044 31-51561 31-51562 31-51563 31-51564 31-51571 31-51572 31-51573 31-51574 31-51761 31-51762 31-51763 31-51764	24-51 TASK 836 24-51 TASK 842 24-51 TASK 843 31-44 TASK 801 31-44 TASK 802 31-44 TASK 819 31-44 TASK 820 31-44 TASK 869 31-44 TASK 870 31-44 TASK 871 31-44 TASK 872 31-61 TASK 940 31-61 TASK 802 31-61 TASK 803 31-61 TASK 804 31-61 TASK 940 31-61 TASK 802 31-61 TASK 803 31-61 TASK 804 31-61 TASK 805 31-61 TASK 806 31-61 TASK 807 31-61 TASK 808

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
341 023 00	WXR SYS (EICAS STATUS) Before you do any task listed here, see FIM 34-43 TASK 843. NOTE: AIMS CAN LATCH THIS MESSAGE.	(continued)	
		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
		31-52531	31-43 TASK 813
		31-52532	31-43 TASK 814
		31-52581	31-43 TASK 855
		31-52582	31-43 TASK 855
		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
		31-54281	31-41 TASK 916
		31-54282	31-41 TASK 917
		31-54501	31-43 TASK 854
		31-54502	31-43 TASK 854
		31-55701	31-41 TASK 840
		31-55702	31-41 TASK 841
		31-55711	31-41 TASK 840
		31-55712	31-41 TASK 841
		31-58013	31-43 TASK 872
		31-58014	31-43 TASK 873
		31-58251	31-41 TASK 921
		31-58252	31-41 TASK 922
		31-59701	31-41 TASK 858
		31-59702	31-41 TASK 859
		31-68801	31-43 TASK 892

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
341 023 00	WXR SYS (EICAS STATUS) Before you do any task listed here, see FIM 34-43 TASK 843. NOTE: AIMS CAN LATCH THIS MESSAGE.	(continued)	
		31-68802	31-43 TASK 893
		31-68893	31-43 TASK 877
		31-68894	31-43 TASK 878
		31-69995	31-42 TASK 906
		31-69996	31-42 TASK 906
		31-69997	31-42 TASK 906
		31-69998	31-42 TASK 906
		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
		31-82011	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
		31-89113	31-61 TASK 839
		31-89114	31-61 TASK 840
		31-89115	31-61 TASK 841
		31-89116	31-61 TASK 842
		31-89123	31-61 TASK 839
		31-89124	31-61 TASK 840
		31-89125	31-61 TASK 841
		31-89126	31-61 TASK 842
		34-44031	34-43 TASK 821
		34-44032	34-43 TASK 822
		34-44891	34-43 TASK 818

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
341 641 32	Altitude display on PFD: Blank or incorrect - first officer's.		34-21 TASK 892
341 642 00	Minimum airspeed displays on PFD (Capt) and PFD (F/O) do not agree.		34-21 TASK 892
341 651 31	V1 indication: does not show on PFD during takeoff - captain's.		34-61 TASK 944
341 651 32	V1 indication: does not show on PFD during takeoff - first officer's.		34-61 TASK 944
342 001 00	NAV ADIRU INERTIAL (EICAS CAUTION)	23-81001 23-81003 31-54013 31-54101 31-58014 31-58102 31-69101 31-69102 31-69117 31-69118 31-69301 31-69302 31-69317 31-69318 34-20000 34-28801 34-28810 34-28830 34-29101 34-29301	23-91 TASK 801 23-91 TASK 803 31-43 TASK 868 31-41 TASK 834 31-43 TASK 873 31-41 TASK 853 31-42 TASK 801 31-42 TASK 801 31-42 TASK 806 31-42 TASK 806 31-42 TASK 817 31-42 TASK 817 31-42 TASK 822 31-42 TASK 822 34-21 TASK 802 34-21 TASK 848 34-21 TASK 849 34-21 TASK 852 34-21 TASK 893 34-21 TASK 895
342 002 00	NAV INERTIAL SYS (EICAS CAUTION)		34-21 TASK 905
342 003 00	NAV ADIRU/SAARU (EICAS CAUTION)		34-21 TASK 905
342 011 00	NAV AIR DATA SYS (EICAS ADVISORY)	23-81001 23-81002 23-81003 24-11784 24-12124 24-12125 24-12126	23-91 TASK 801 23-91 TASK 802 23-91 TASK 803 24-51 TASK 836 24-51 TASK 840 24-51 TASK 841 24-51 TASK 841

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 011 00	NAV AIR DATA SYS (EICAS ADVISORY)	(continued)	
		24-12127	24-51 TASK 842
		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
		27-15100	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
		30-36641	30-31 TASK 807
		30-36642	30-31 TASK 808
		30-36643	30-31 TASK 809
		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
		34-26101	34-21 TASK 810
		34-26102	34-21 TASK 839
		34-26103	34-21 TASK 840

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 011 00	NAV AIR DATA SYS (EICAS ADVISORY)	(continued)	
		34-26201	34-21 TASK 843
		34-26202	34-21 TASK 844
		34-26203	34-21 TASK 845
		34-28813	34-21 TASK 813
		34-28816	34-21 TASK 814
		34-28824	34-21 TASK 850
		34-28827	34-21 TASK 851
		34-28835	34-21 TASK 853
		34-28838	34-21 TASK 854
		34-29102	34-21 TASK 815
		34-29105	34-21 TASK 816
		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
		34-29303	34-21 TASK 864
		34-29306	34-21 TASK 865
		34-29317	34-21 TASK 869
		34-29320	34-21 TASK 896
		34-39101	34-21 TASK 825
		34-39103	34-21 TASK 826
		34-39106	34-21 TASK 827
		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
342 015 00	AIR DATA SYS (EICAS CAUTION)	23-81001	23-91 TASK 801
		23-81002	23-91 TASK 802
		23-81003	23-91 TASK 803
		24-11784	24-51 TASK 836
		24-12124	24-51 TASK 840

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 015 00	AIR DATA SYS (EICAS CAUTION)	(continued)	
		24-12125	24-51 TASK 841
		24-12126	24-51 TASK 841
		24-12127	24-51 TASK 842
		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
		27-15100	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
		30-36641	30-31 TASK 807
		30-36642	30-31 TASK 808
		30-36643	30-31 TASK 809
		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
		34-26101	34-21 TASK 810

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 015 00	AIR DATA SYS (EICAS CAUTION)	(continued)	
		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
		34-28813	34-21 TASK 813
		34-28816	34-21 TASK 814
		34-28824	34-21 TASK 850
		34-28827	34-21 TASK 851
		34-28835	34-21 TASK 853
		34-28838	34-21 TASK 854
		34-29102	34-21 TASK 815
		34-29105	34-21 TASK 816
		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
		34-29303	34-21 TASK 864
		34-29306	34-21 TASK 865
		34-29317	34-21 TASK 869
		34-29320	34-21 TASK 896
		34-39101	34-21 TASK 825
		34-39103	34-21 TASK 826
		34-39106	34-21 TASK 827
		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
342 021 00	ADIRU (EICAS STATUS)	23-81001	23-91 TASK 801
		23-81002	23-91 TASK 802
		23-81003	23-91 TASK 803

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342 021 00	ADIRU (EICAS STATUS)	(continued)	
		24-11787	24-32 TASK 817
		24-12056	24-32 TASK 820
		24-13801	24-61 TASK 805
		27-15101	27-02 TASK 947
		31-50091	31-44 TASK 819
		31-50092	31-44 TASK 820
		31-51023	31-44 TASK 865
		31-51024	31-44 TASK 866
		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
		34-20000	34-21 TASK 802
		34-20011	34-21 TASK 803
		34-20012	34-21 TASK 830
		34-20013	34-21 TASK 831
		34-20031	34-21 TASK 805
		34-20032	34-21 TASK 832
		34-20033	34-21 TASK 833
		34-20060	34-21 TASK 806
		34-20071	34-21 TASK 807
		34-20072	34-21 TASK 834
		34-20073	34-21 TASK 835
		34-20081	34-21 TASK 836
		34-20082	34-21 TASK 837
		34-20083	34-21 TASK 838
		34-29101	34-21 TASK 893
		34-29120	34-21 TASK 894
		34-29201	34-21 TASK 858
		34-29301	34-21 TASK 895
		34-29320	34-21 TASK 896

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 021 00	ADIRU (EICAS STATUS)	(continued)	
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
342 022 00	SAARU (EICAS STATUS)	23-81001	23-91 TASK 801
		23-81002	23-91 TASK 802
		23-81003	23-91 TASK 803
		27-15101	27-02 TASK 947
		31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802
		31-50091	31-44 TASK 819
		31-50092	31-44 TASK 820
		31-51023	31-44 TASK 865
		31-51024	31-44 TASK 866
		31-51025	31-43 TASK 803
		31-51026	31-43 TASK 804
		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
		31-52013	31-43 TASK 866
		31-52014	31-43 TASK 867
		31-52101	31-41 TASK 817
		31-52112	31-41 TASK 820
		31-54014	31-43 TASK 869
		31-54102	31-41 TASK 835
		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
		31-58013	31-43 TASK 872
		31-58101	31-41 TASK 852

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342 022 00	SAARU (EICAS STATUS)	(continued)	
		31-69101	31-42 TASK 801
		31-69201	31-42 TASK 809
		31-69202	31-42 TASK 809
		31-69219	31-42 TASK 814
		31-69220	31-42 TASK 814
		31-69302	31-42 TASK 817
		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
		34-30780	34-21 TASK 820
		34-38310	34-21 TASK 819
		34-38801	34-21 TASK 874
		34-38820	34-21 TASK 898
		34-39101	34-21 TASK 825
		34-39201	34-21 TASK 871
		34-39301	34-21 TASK 879
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
		34-71060	34-90 TASK 801
342 031 41	AOA VANE L (EICAS STATUS) Before you do any task listed here, see FIM 34-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.		
		21-16205	21-25 TASK 823
		23-81001	23-91 TASK 801
		23-81004	23-91 TASK 804
		23-81006	23-91 TASK 806
		24-11780	24-53 TASK 805
		24-11781	24-51 TASK 837
		24-11786	24-51 TASK 833
		24-11790	24-08 TASK 833
		24-11793	24-08 TASK 834
		24-11795	24-08 TASK 804

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 031 41	AOA VANE L (EICAS STATUS) Before you do any task listed here, see FIM 34-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.	(continued)	
		24-11796	24-08 TASK 804
		24-12057	24-08 TASK 836
		24-12122	24-08 TASK 835
		24-12124	24-51 TASK 840
		24-12127	24-51 TASK 842
		24-12800	24-08 TASK 805
		24-12801	24-08 TASK 805
		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
		27-14018	27-02 TASK 813
		27-14025	27-02 TASK 943
		27-14030	27-02 TASK 905
		27-14031	27-02 TASK 906
		27-15100	27-02 TASK 946
		27-18811	27-02 TASK 901
		27-19101	27-02 TASK 974
		30-36421	30-31 TASK 804
		30-36521	30-31 TASK 806
		31-50011	31-44 TASK 801
		31-51033	31-44 TASK 869
		31-51043	31-44 TASK 871
		31-51531	31-44 TASK 837
		31-51533	31-44 TASK 839
		31-51731	31-44 TASK 841
		31-51733	31-44 TASK 843
		31-54013	31-43 TASK 868
		31-54121	31-41 TASK 838

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 031 41	AOA VANE L (EICAS STATUS) Before you do any task listed here, see FIM 34-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.	(continued)	
		31-55401	31-41 TASK 840
		31-56013	31-43 TASK 870
		31-56111	31-41 TASK 846
		31-58013	31-43 TASK 872
		31-58101	31-41 TASK 852
		31-58121	31-41 TASK 856
		31-59401	31-41 TASK 992
		31-61011	31-43 TASK 861
		31-61020	31-43 TASK 863
		31-61071	31-43 TASK 841
		31-68801	31-43 TASK 892
		31-68811	31-42 TASK 908
		31-69101	31-42 TASK 801
		31-69401	31-42 TASK 825
		31-69496	31-42 TASK 915
		31-69601	31-42 TASK 857
		31-89417	31-42 TASK 915
		31-89617	31-42 TASK 916
		31-89619	31-42 TASK 916
		34-25601	34-21 TASK 808
		34-26101	34-21 TASK 810
		34-28813	34-21 TASK 813
		34-29101	34-21 TASK 893
		34-29102	34-21 TASK 815
		34-29107	34-21 TASK 817
		34-29115	34-21 TASK 857
		34-29120	34-21 TASK 894
		34-31601	34-21 TASK 821
		34-32601	34-21 TASK 822
		34-39101	34-21 TASK 825
		34-39103	34-21 TASK 826

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 031 41	AOA VANE L (EICAS STATUS) Before you do any task listed here, see FIM 34-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.	(continued) 34-39111	 34-21 TASK 828
342 031 42	AOA VANE R (EICAS STATUS) Before you do any task listed here, see FIM 34-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.	21-16205 23-81003 23-81004 23-81006 24-11780 24-11781 24-11786 24-11790 24-11793 24-11795 24-11796 24-12057 24-12122 24-12124 24-12127 24-12800 24-12801 24-18801 24-18802 24-78841 24-78842 24-78861 24-78862 27-14020 27-14027 27-14030 27-14033	21-25 TASK 823 23-91 TASK 803 23-91 TASK 804 23-91 TASK 806 24-53 TASK 805 24-51 TASK 837 24-51 TASK 833 24-08 TASK 833 24-08 TASK 834 24-08 TASK 804 24-08 TASK 804 24-08 TASK 836 24-08 TASK 835 24-51 TASK 840 24-51 TASK 842 24-08 TASK 805 24-08 TASK 805 24-09 TASK 806 24-09 TASK 807 24-08 TASK 860 24-08 TASK 862 24-08 TASK 861 24-08 TASK 863 27-02 TASK 942 27-02 TASK 945 27-02 TASK 905 27-02 TASK 908

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FAULT ISOLATION MANUAL

FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 031 42	AOA VANE R (EICAS STATUS) Before you do any task listed here, see FIM 34-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.	(continued)	
		27-15102	27-02 TASK 948
		27-18833	27-02 TASK 920
		27-19301	27-02 TASK 983
		30-36423	30-31 TASK 805
		30-36523	30-31 TASK 810
		31-50012	31-44 TASK 802
		31-51034	31-44 TASK 870
		31-51044	31-44 TASK 872
		31-51532	31-44 TASK 838
		31-51534	31-44 TASK 840
		31-51732	31-44 TASK 842
		31-51734	31-44 TASK 844
		31-52014	31-43 TASK 867
		31-52112	31-41 TASK 820
		31-54014	31-43 TASK 869
		31-54102	31-41 TASK 835
		31-54122	31-41 TASK 839
		31-55402	31-41 TASK 841
		31-58014	31-43 TASK 873
		31-58122	31-41 TASK 857
		31-59402	31-41 TASK 993
		31-61012	31-43 TASK 862
		31-61020	31-43 TASK 863
		31-61072	31-43 TASK 842
		31-68802	31-43 TASK 893
		31-68832	31-42 TASK 908
		31-69302	31-42 TASK 817
		31-69402	31-42 TASK 825
		31-69497	31-42 TASK 915
		31-69602	31-42 TASK 857
		31-89418	31-42 TASK 915

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FAULT ISOLATION MANUAL

FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 031 42	AOA VANE R (EICAS STATUS) Before you do any task listed here, see FIM 34-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.	(continued)	
		31-89618	31-42 TASK 916
		31-89620	31-42 TASK 916
		34-25603	34-21 TASK 885
		34-26103	34-21 TASK 840
		34-28835	34-21 TASK 853
		34-29301	34-21 TASK 895
		34-29303	34-21 TASK 864
		34-29308	34-21 TASK 866
		34-29317	34-21 TASK 869
		34-29320	34-21 TASK 896
		34-34603	34-21 TASK 887
		34-35603	34-21 TASK 888
		34-39301	34-21 TASK 879
		34-39305	34-21 TASK 880
		34-39312	34-21 TASK 882
342 041 41	PITOT ADM L (EICAS STATUS) Before you do any task listed here, see FIM 34-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.	23-81001	23-91 TASK 801
		24-11784	24-51 TASK 836
		27-14018	27-02 TASK 813
		27-14025	27-02 TASK 943
		27-14030	27-02 TASK 905
		27-14031	27-02 TASK 906
		27-15100	27-02 TASK 946
		27-18811	27-02 TASK 901
		27-19101	27-02 TASK 974
		30-36121	30-31 TASK 801
		30-36641	30-31 TASK 807
		34-25101	34-11 TASK 801
		34-26101	34-21 TASK 810

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 041 41	PITOT ADM L (EICAS STATUS) Before you do any task listed here, see FIM 34-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.	(continued)	
		34-28813	34-21 TASK 813
		34-29101	34-21 TASK 893
		34-29102	34-21 TASK 815
		34-29115	34-21 TASK 857
		34-29120	34-21 TASK 894
		34-39101	34-21 TASK 825
342 041 42	PITOT ADM R (EICAS STATUS) Before you do any task listed here, see FIM 34-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.	34-39103	34-21 TASK 826
		23-81003	23-91 TASK 803
		24-12124	24-51 TASK 840
		24-12127	24-51 TASK 842
		27-14020	27-02 TASK 942
		27-14027	27-02 TASK 945
		27-14030	27-02 TASK 905
		27-14033	27-02 TASK 908
		27-15102	27-02 TASK 948
		27-18833	27-02 TASK 920
		27-19301	27-02 TASK 983
		30-36123	30-31 TASK 803
		30-36643	30-31 TASK 809
		34-25103	34-11 TASK 803
		34-26103	34-21 TASK 840
		34-28835	34-21 TASK 853
		34-29301	34-21 TASK 895
		34-29303	34-21 TASK 864
		34-29317	34-21 TASK 869
		34-29320	34-21 TASK 896
		34-39301	34-21 TASK 879
		34-39305	34-21 TASK 880

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 041 43	PITOT ADM C (EICAS STATUS) Before you do any task listed here, see FIM 34-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.		
		23-81002	23-91 TASK 802
		24-12125	24-51 TASK 841
		24-12126	24-51 TASK 841
		27-14019	27-02 TASK 941
		27-14026	27-02 TASK 944
		27-14030	27-02 TASK 905
		27-14032	27-02 TASK 907
		27-15101	27-02 TASK 947
		27-18822	27-02 TASK 919
		27-19201	27-02 TASK 979
		30-36122	30-31 TASK 802
		30-36642	30-31 TASK 808
		34-25102	34-11 TASK 802
		34-26102	34-21 TASK 839
		34-28824	34-21 TASK 850
		34-29201	34-21 TASK 858
		34-29202	34-21 TASK 859
		34-29216	34-21 TASK 862
		34-39201	34-21 TASK 871
		34-39204	34-21 TASK 876
342 051 41	STATIC ADM L (EICAS STATUS) Before you do any task listed here, see FIM 34-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.		
		23-81001	23-91 TASK 801
		27-15100	27-02 TASK 946
		34-25201	34-11 TASK 804
		34-26201	34-21 TASK 843
		34-28816	34-21 TASK 814
		34-29101	34-21 TASK 893
		34-29105	34-21 TASK 816
		34-29120	34-21 TASK 894
		34-39101	34-21 TASK 825

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 051 41	STATIC ADM L (EICAS STATUS) Before you do any task listed here, see FIM 34-98 TASK 803. <u>NOTE:</u> AIMS CAN LATCH THIS MESSAGE.	(continued) 34-39106	34-21 TASK 827
342 051 42	STATIC ADM R (EICAS STATUS) Before you do any task listed here, see FIM 34-98 TASK 803. <u>NOTE:</u> AIMS CAN LATCH THIS MESSAGE.	23-81003 27-15102 34-25203 34-26203 34-28838 34-29301 34-29306 34-29320 34-39301 34-39308	23-91 TASK 803 27-02 TASK 948 34-11 TASK 806 34-21 TASK 845 34-21 TASK 854 34-21 TASK 895 34-21 TASK 865 34-21 TASK 896 34-21 TASK 879 34-21 TASK 881
342 051 43	STATIC ADM C (EICAS STATUS) Before you do any task listed here, see FIM 49-98 TASK 803. <u>NOTE:</u> AIMS CAN LATCH THIS MESSAGE.	23-81002 27-15101 34-25202 34-26202 34-28827 34-29201 34-29204 34-39201 34-39207	23-91 TASK 802 27-02 TASK 947 34-11 TASK 805 34-21 TASK 844 34-21 TASK 851 34-21 TASK 858 34-21 TASK 860 34-21 TASK 871 34-21 TASK 877
342 061 00	TAT (EICAS STATUS) Before you do any task listed here, see FIM 34-98 TASK 803. <u>NOTE:</u> AIMS CAN LATCH THIS MESSAGE.	21-16205 23-81001	21-25 TASK 823 23-91 TASK 801

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 061 00	TAT (EICAS STATUS) Before you do any task listed here, see FIM 34-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.	(continued)	
		23-81003	23-91 TASK 803
		23-81004	23-91 TASK 804
		23-81006	23-91 TASK 806
		24-11790	24-08 TASK 833
		24-11793	24-08 TASK 834
		24-11795	24-08 TASK 804
		24-11796	24-08 TASK 804
		24-12057	24-08 TASK 836
		24-12122	24-08 TASK 835
		24-12800	24-08 TASK 805
		24-12801	24-08 TASK 805
		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
		31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802
		31-51033	31-44 TASK 869
		31-51034	31-44 TASK 870
		31-51043	31-44 TASK 871
		31-51044	31-44 TASK 872
		31-51531	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

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 061 00	TAT (EICAS STATUS) Before you do any task listed here, see FIM 34-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.	(continued)	
		31-52013	31-43 TASK 866
		31-52014	31-43 TASK 867
		31-52112	31-41 TASK 820
		31-53401	31-41 TASK 832
		31-53402	31-41 TASK 833
		31-54013	31-43 TASK 868
		31-54014	31-43 TASK 869
		31-54102	31-41 TASK 835
		31-54121	31-41 TASK 838
		31-54122	31-41 TASK 839
		31-55401	31-41 TASK 840
		31-55402	31-41 TASK 841
		31-56013	31-43 TASK 870
		31-56111	31-41 TASK 846
		31-58013	31-43 TASK 872
		31-58014	31-43 TASK 873
		31-58101	31-41 TASK 852
		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
		31-61071	31-43 TASK 841
		31-61072	31-43 TASK 842
		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
		31-69302	31-42 TASK 817
		31-69401	31-42 TASK 825

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 061 00	TAT (EICAS STATUS) Before you do any task listed here, see FIM 34-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.	(continued)	
		31-69402	31-42 TASK 825
		31-69496	31-42 TASK 915
		31-69497	31-42 TASK 915
		31-69601	31-42 TASK 857
		31-69602	31-42 TASK 857
		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
		34-25800	34-21 TASK 809
		34-29107	34-21 TASK 817
		34-29120	34-21 TASK 894
		34-29308	34-21 TASK 866
		34-29320	34-21 TASK 896
		34-32803	34-21 TASK 822
		34-33800	34-21 TASK 886
		34-36800	34-21 TASK 890
		34-39101	34-21 TASK 825
		34-39111	34-21 TASK 828
		34-39301	34-21 TASK 879
		34-39312	34-21 TASK 882
342 301 31	ALT flag shows on PFD - captain's.	23-81001	23-91 TASK 801
		23-81002	23-91 TASK 802
		23-81003	23-91 TASK 803
		27-15100	27-02 TASK 946
		27-15101	27-02 TASK 947
		27-15102	27-02 TASK 948
		31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 301 31	ALT flag shows on PFD - captain's.	(continued)	
		31-50091	31-44 TASK 819
		31-50092	31-44 TASK 820
		31-51023	31-44 TASK 865
		31-51024	31-44 TASK 866
		31-51025	31-43 TASK 803
		31-51026	31-43 TASK 804
		31-51411	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
		31-52013	31-43 TASK 866
		31-52014	31-43 TASK 867
		31-52101	31-41 TASK 817
		31-52112	31-41 TASK 820
		31-54013	31-43 TASK 868
		31-54014	31-43 TASK 869
		31-54101	31-41 TASK 834
		31-54102	31-41 TASK 835
		31-56013	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
		31-58013	31-43 TASK 872
		31-58014	31-43 TASK 873
		31-58101	31-41 TASK 852
		31-58102	31-41 TASK 853
		31-69101	31-42 TASK 801
		31-69102	31-42 TASK 801
		31-69117	31-42 TASK 806
		31-69118	31-42 TASK 806

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 301 31	ALT flag shows on PFD - captain's.	(continued)	
		31-69201	31-42 TASK 809
		31-69202	31-42 TASK 809
		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
		31-85101	31-98 TASK 801
		34-25201	34-11 TASK 804
		34-25202	34-11 TASK 805
		34-25203	34-11 TASK 806
		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
		34-28816	34-21 TASK 814
		34-28827	34-21 TASK 851
		34-28830	34-21 TASK 852
		34-28838	34-21 TASK 854
		34-29101	34-21 TASK 893
		34-29105	34-21 TASK 816
		34-29120	34-21 TASK 894
		34-29201	34-21 TASK 858
		34-29204	34-21 TASK 860
		34-29301	34-21 TASK 895
		34-29306	34-21 TASK 865
		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
		34-38310	34-21 TASK 819

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 301 31	ALT flag shows on PFD - captain's.	(continued)	
		34-38801	34-21 TASK 874
		34-38820	34-21 TASK 898
		34-39101	34-21 TASK 825
		34-39106	34-21 TASK 827
		34-39201	34-21 TASK 871
		34-39207	34-21 TASK 877
		34-39301	34-21 TASK 879
		34-39308	34-21 TASK 881
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
		34-71060	34-90 TASK 801
342 301 32	ALT flag shows on PFD - first officer's.	23-81001	23-91 TASK 801
		23-81002	23-91 TASK 802
		23-81003	23-91 TASK 803
		27-15100	27-02 TASK 946
		27-15101	27-02 TASK 947
		27-15102	27-02 TASK 948
		31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802
		31-50091	31-44 TASK 819
		31-50092	31-44 TASK 820
		31-51023	31-44 TASK 865
		31-51024	31-44 TASK 866
		31-51025	31-43 TASK 803
		31-51026	31-43 TASK 804
		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
		31-52013	31-43 TASK 866
		31-52014	31-43 TASK 867

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 301 32	ALT flag shows on PFD - first officer's.	(continued)	
		31-52101	31-41 TASK 817
		31-52112	31-41 TASK 820
		31-54013	31-43 TASK 868
		31-54014	31-43 TASK 869
		31-54101	31-41 TASK 834
		31-54102	31-41 TASK 835
		31-56013	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
		31-58013	31-43 TASK 872
		31-58014	31-43 TASK 873
		31-58101	31-41 TASK 852
		31-58102	31-41 TASK 853
		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
		31-69219	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
		31-85102	31-98 TASK 801
		34-25201	34-11 TASK 804
		34-25202	34-11 TASK 805
		34-25203	34-11 TASK 806
		34-26201	34-21 TASK 843
		34-26202	34-21 TASK 844
		34-26203	34-21 TASK 845
		34-28801	34-21 TASK 848

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 301 32	ALT flag shows on PFD - first officer's.	(continued)	
		34-28810	34-21 TASK 849
		34-28816	34-21 TASK 814
		34-28827	34-21 TASK 851
		34-28830	34-21 TASK 852
		34-28838	34-21 TASK 854
		34-29101	34-21 TASK 893
		34-29105	34-21 TASK 816
		34-29120	34-21 TASK 894
		34-29201	34-21 TASK 858
		34-29204	34-21 TASK 860
		34-29301	34-21 TASK 895
		34-29306	34-21 TASK 865
		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
		34-38310	34-21 TASK 819
		34-38801	34-21 TASK 874
		34-38820	34-21 TASK 898
		34-39101	34-21 TASK 825
		34-39106	34-21 TASK 827
		34-39201	34-21 TASK 871
		34-39207	34-21 TASK 877
		34-39301	34-21 TASK 879
		34-39308	34-21 TASK 881
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
		34-71060	34-90 TASK 801
342 302 31	ATT flag shows on PFD - captain's.	23-81001	23-91 TASK 801
		23-81002	23-91 TASK 802
		23-81003	23-91 TASK 803
		27-15101	27-02 TASK 947
		31-50011	31-44 TASK 801

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 302 31	ATT flag shows on PFD - captain's.	(continued)	
		31-50012	31-44 TASK 802
		31-50091	31-44 TASK 819
		31-50092	31-44 TASK 820
		31-51023	31-44 TASK 865
		31-51024	31-44 TASK 866
		31-51025	31-43 TASK 803
		31-51026	31-43 TASK 804
		31-51411	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
		31-52013	31-43 TASK 866
		31-52014	31-43 TASK 867
		31-52101	31-41 TASK 817
		31-52112	31-41 TASK 820
		31-54013	31-43 TASK 868
		31-54014	31-43 TASK 869
		31-54101	31-41 TASK 834
		31-54102	31-41 TASK 835
		31-56013	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
		31-58013	31-43 TASK 872
		31-58014	31-43 TASK 873
		31-58101	31-41 TASK 852
		31-58102	31-41 TASK 853
		31-69101	31-42 TASK 801
		31-69102	31-42 TASK 801
		31-69117	31-42 TASK 806

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 302 31	ATT flag shows on PFD - captain's.	(continued)	
		31-69118	31-42 TASK 806
		31-69201	31-42 TASK 809
		31-69202	31-42 TASK 809
		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
		31-83511	31-51 TASK 945
		31-85103	31-98 TASK 801
		34-28801	34-21 TASK 848
		34-28810	34-21 TASK 849
		34-28830	34-21 TASK 852
		34-29101	34-21 TASK 893
		34-29301	34-21 TASK 895
		34-30700	34-21 TASK 870
		34-30712	34-21 TASK 871
		34-30760	34-21 TASK 819
		34-38310	34-21 TASK 819
		34-38801	34-21 TASK 874
		34-38820	34-21 TASK 898
		34-39101	34-21 TASK 825
		34-39201	34-21 TASK 871
		34-39301	34-21 TASK 879
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
		34-71060	34-90 TASK 801
342 302 32	ATT flag shows on PFD - first officer's.	23-81001	23-91 TASK 801
		23-81002	23-91 TASK 802
		23-81003	23-91 TASK 803
		27-15101	27-02 TASK 947
		31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802
		31-50091	31-44 TASK 819

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 302 32	ATT flag shows on PFD - first officer's.	(continued)	
		31-50092	31-44 TASK 820
		31-51023	31-44 TASK 865
		31-51024	31-44 TASK 866
		31-51025	31-43 TASK 803
		31-51026	31-43 TASK 804
		31-51411	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
		31-52013	31-43 TASK 866
		31-52014	31-43 TASK 867
		31-52101	31-41 TASK 817
		31-52112	31-41 TASK 820
		31-54013	31-43 TASK 868
		31-54014	31-43 TASK 869
		31-54101	31-41 TASK 834
		31-54102	31-41 TASK 835
		31-56013	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
		31-58013	31-43 TASK 872
		31-58014	31-43 TASK 873
		31-58101	31-41 TASK 852
		31-58102	31-41 TASK 853
		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

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 302 32	ATT flag shows on PFD - first officer's.	(continued)	
		31-69202	31-42 TASK 809
		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
		31-83512	31-51 TASK 945
		31-85104	31-98 TASK 801
		34-28801	34-21 TASK 848
		34-28810	34-21 TASK 849
		34-28830	34-21 TASK 852
		34-29101	34-21 TASK 893
		34-29301	34-21 TASK 895
		34-30700	34-21 TASK 870
		34-30712	34-21 TASK 871
		34-30760	34-21 TASK 819
		34-38310	34-21 TASK 819
		34-38801	34-21 TASK 874
		34-38820	34-21 TASK 898
		34-39101	34-21 TASK 825
		34-39201	34-21 TASK 871
		34-39301	34-21 TASK 879
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
		34-71060	34-90 TASK 801
342 303 31	FPV flag shows on PFD - captain's.	23-81001	23-91 TASK 801
		23-81003	23-91 TASK 803
		31-54013	31-43 TASK 868
		31-54101	31-41 TASK 834
		31-58014	31-43 TASK 873
		31-58102	31-41 TASK 853
		31-69101	31-42 TASK 801
		31-69102	31-42 TASK 801
		31-69117	31-42 TASK 806

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 303 31	FPV flag shows on PFD - captain's.	(continued)	
		31-69118	31-42 TASK 806
		31-69301	31-42 TASK 817
		31-69302	31-42 TASK 817
		31-69317	31-42 TASK 822
		31-69318	31-42 TASK 822
		31-83515	31-51 TASK 945
		31-85109	31-98 TASK 801
		34-28801	34-21 TASK 848
		34-28810	34-21 TASK 849
		34-28830	34-21 TASK 852
		34-29101	34-21 TASK 893
		34-29301	34-21 TASK 895
342 303 32	FPV flag shows on PFD - first officer's.	23-81001	23-91 TASK 801
		23-81003	23-91 TASK 803
		31-54013	31-43 TASK 868
		31-54101	31-41 TASK 834
		31-58014	31-43 TASK 873
		31-58102	31-41 TASK 853
		31-69101	31-42 TASK 801
		31-69102	31-42 TASK 801
		31-69117	31-42 TASK 806
		31-69118	31-42 TASK 806
		31-69301	31-42 TASK 817
		31-69302	31-42 TASK 817
		31-69317	31-42 TASK 822
		31-69318	31-42 TASK 822
		31-83516	31-51 TASK 945
		31-85110	31-98 TASK 801
		34-28801	34-21 TASK 848
		34-28810	34-21 TASK 849
		34-28830	34-21 TASK 852
		34-29101	34-21 TASK 893
		34-29301	34-21 TASK 895
342 304 31	HDG flag shows on PFD - captain's.	23-81001	23-91 TASK 801
		23-81003	23-91 TASK 803

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 304 31	HDG flag shows on PFD - captain's.	(continued)	
		31-54013	31-43 TASK 868
		31-54101	31-41 TASK 834
		31-58014	31-43 TASK 873
		31-58102	31-41 TASK 853
		31-69101	31-42 TASK 801
		31-69102	31-42 TASK 801
		31-69117	31-42 TASK 806
		31-69118	31-42 TASK 806
		31-69301	31-42 TASK 817
		31-69302	31-42 TASK 817
		31-69317	31-42 TASK 822
		31-69318	31-42 TASK 822
		31-85113	31-98 TASK 801
		34-28801	34-21 TASK 848
		34-28810	34-21 TASK 849
		34-28830	34-21 TASK 852
		34-29101	34-21 TASK 893
		34-29301	34-21 TASK 895
342 304 32	HDG flag shows on PFD - first officer's.	23-81001	23-91 TASK 801
		23-81003	23-91 TASK 803
		31-54013	31-43 TASK 868
		31-54101	31-41 TASK 834
		31-58014	31-43 TASK 873
		31-58102	31-41 TASK 853
		31-69101	31-42 TASK 801
		31-69102	31-42 TASK 801
		31-69117	31-42 TASK 806
		31-69118	31-42 TASK 806
		31-69301	31-42 TASK 817
		31-69302	31-42 TASK 817
		31-69317	31-42 TASK 822
		31-69318	31-42 TASK 822
		31-85114	31-98 TASK 801
		34-28801	34-21 TASK 848
		34-28810	34-21 TASK 849

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 304 32	HDG flag shows on PFD - first officer's.	(continued)	
		34-28830	34-21 TASK 852
		34-29101	34-21 TASK 893
		34-29301	34-21 TASK 895
342 305 31	VERT flag shows on PFD - captain's.	23-81001	23-91 TASK 801
		23-81003	23-91 TASK 803
		31-54013	31-43 TASK 868
		31-54101	31-41 TASK 834
		31-58014	31-43 TASK 873
		31-58102	31-41 TASK 853
		31-69101	31-42 TASK 801
		31-69102	31-42 TASK 801
		31-69117	31-42 TASK 806
		31-69118	31-42 TASK 806
		31-69301	31-42 TASK 817
		31-69302	31-42 TASK 817
		31-69317	31-42 TASK 822
		31-69318	31-42 TASK 822
		31-85129	31-98 TASK 801
		34-28801	34-21 TASK 848
		34-28810	34-21 TASK 849
		34-28830	34-21 TASK 852
		34-29101	34-21 TASK 893
		34-29301	34-21 TASK 895
342 305 32	VERT flag shows on PFD - first officer's.	23-81001	23-91 TASK 801
		23-81003	23-91 TASK 803
		31-54013	31-43 TASK 868
		31-54101	31-41 TASK 834
		31-58014	31-43 TASK 873
		31-58102	31-41 TASK 853
		31-69101	31-42 TASK 801
		31-69102	31-42 TASK 801
		31-69117	31-42 TASK 806
		31-69118	31-42 TASK 806
		31-69301	31-42 TASK 817
		31-69302	31-42 TASK 817

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 305 32	VERT flag shows on PFD - first officer's.	(continued)	
		31-69317	31-42 TASK 822
		31-69318	31-42 TASK 822
		31-85130	31-98 TASK 801
		34-28801	34-21 TASK 848
		34-28810	34-21 TASK 849
		34-28830	34-21 TASK 852
		34-29101	34-21 TASK 893
342 311 31	SPD flag shows on PFD - captain's.	34-29301	34-21 TASK 895
		23-81001	23-91 TASK 801
		23-81002	23-91 TASK 802
		23-81003	23-91 TASK 803
		24-11784	24-51 TASK 836
		24-12124	24-51 TASK 840
		24-12125	24-51 TASK 841
		24-12126	24-51 TASK 841
		24-12127	24-51 TASK 842
		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
		27-15100	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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342 311 31	SPD flag shows on PFD - captain's.	(continued)	
		30-36121	30-31 TASK 801
		30-36122	30-31 TASK 802
		30-36123	30-31 TASK 803
		30-36641	30-31 TASK 807
		30-36642	30-31 TASK 808
		30-36643	30-31 TASK 809
		31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802
		31-50091	31-44 TASK 819
		31-50092	31-44 TASK 820
		31-51023	31-44 TASK 865
		31-51024	31-44 TASK 866
		31-51025	31-43 TASK 803
		31-51026	31-43 TASK 804
		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
		31-52013	31-43 TASK 866
		31-52014	31-43 TASK 867
		31-52101	31-41 TASK 817
		31-52112	31-41 TASK 820
		31-54013	31-43 TASK 868
		31-54014	31-43 TASK 869
		31-54101	31-41 TASK 834
		31-54102	31-41 TASK 835
		31-56013	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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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 311 31	SPD flag shows on PFD - captain's.	(continued)	
		31-58013	31-43 TASK 872
		31-58014	31-43 TASK 873
		31-58101	31-41 TASK 852
		31-58102	31-41 TASK 853
		31-69101	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
		31-69219	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
		31-85125	31-98 TASK 801
		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
		34-26101	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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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 311 31	SPD flag shows on PFD - captain's.	(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
		34-29115	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
		34-29317	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
		34-38310	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
		34-39201	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
		34-71011	34-61 TASK 905

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 311 31	SPD flag shows on PFD - captain's.	(continued)	
		34-71012	34-61 TASK 906
		34-71060	34-90 TASK 801
342 311 32	SPD flag shows on PFD - first officer's.	23-81001	23-91 TASK 801
		23-81002	23-91 TASK 802
		23-81003	23-91 TASK 803
		24-11784	24-51 TASK 836
		24-12124	24-51 TASK 840
		24-12125	24-51 TASK 841
		24-12126	24-51 TASK 841
		24-12127	24-51 TASK 842
		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
		27-15100	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
		30-36641	30-31 TASK 807
		30-36642	30-31 TASK 808
		30-36643	30-31 TASK 809

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342 311 32	SPD flag shows on PFD - first officer's.	(continued)	
		31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802
		31-50091	31-44 TASK 819
		31-50092	31-44 TASK 820
		31-51023	31-44 TASK 865
		31-51024	31-44 TASK 866
		31-51025	31-43 TASK 803
		31-51026	31-43 TASK 804
		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
		31-52013	31-43 TASK 866
		31-52014	31-43 TASK 867
		31-52101	31-41 TASK 817
		31-52112	31-41 TASK 820
		31-54013	31-43 TASK 868
		31-54014	31-43 TASK 869
		31-54101	31-41 TASK 834
		31-54102	31-41 TASK 835
		31-56013	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
		31-58013	31-43 TASK 872
		31-58014	31-43 TASK 873
		31-58101	31-41 TASK 852
		31-58102	31-41 TASK 853
		31-69101	31-42 TASK 801
		31-69102	31-42 TASK 801

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 311 32	SPD flag shows on PFD - first officer's.	(continued)	
		31-69117	31-42 TASK 806
		31-69118	31-42 TASK 806
		31-69201	31-42 TASK 809
		31-69202	31-42 TASK 809
		31-69219	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
		31-85126	31-98 TASK 801
		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
		34-26101	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

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342 311 32	SPD 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
		34-29317	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
		34-38310	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
		34-39201	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
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
		34-71060	34-90 TASK 801
342 321 31	HDG flag shows on ND - captain's.	23-81001	23-91 TASK 801
		23-81003	23-91 TASK 803
		31-54013	31-43 TASK 868
		31-54101	31-41 TASK 834

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 321 31	HDG flag shows on ND - captain's.	(continued)	
		31-58014	31-43 TASK 873
		31-58102	31-41 TASK 853
		31-69101	31-42 TASK 801
		31-69102	31-42 TASK 801
		31-69117	31-42 TASK 806
		31-69118	31-42 TASK 806
		31-69301	31-42 TASK 817
		31-69302	31-42 TASK 817
		31-69317	31-42 TASK 822
		31-69318	31-42 TASK 822
		31-85213	31-98 TASK 801
		34-28801	34-21 TASK 848
		34-28810	34-21 TASK 849
		34-28830	34-21 TASK 852
		34-29101	34-21 TASK 893
		34-29301	34-21 TASK 895
342 321 32	HDG flag shows on ND - first officer's.	23-81001	23-91 TASK 801
		23-81003	23-91 TASK 803
		31-54013	31-43 TASK 868
		31-54101	31-41 TASK 834
		31-58014	31-43 TASK 873
		31-58102	31-41 TASK 853
		31-69101	31-42 TASK 801
		31-69102	31-42 TASK 801
		31-69117	31-42 TASK 806
		31-69118	31-42 TASK 806
		31-69301	31-42 TASK 817
		31-69302	31-42 TASK 817
		31-69317	31-42 TASK 822
		31-69318	31-42 TASK 822
		31-85214	31-98 TASK 801
		34-28801	34-21 TASK 848
		34-28810	34-21 TASK 849
		34-28830	34-21 TASK 852
		34-29101	34-21 TASK 893

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 321 32	HDG flag shows on ND - first officer's.	(continued) 34-29301	34-21 TASK 895
342 480 00	Maintenance memo shows on the MAT: ADIRS.	23-81001 23-81002 23-81003 24-11787 24-12056 24-13801 27-15100 27-15101 27-15102 30-36641 30-36642 30-36643 34-20010 34-20011 34-20012 34-20013 34-20031 34-20032 34-20033 34-20071 34-20072 34-20073 34-20081 34-20082 34-20083 34-26111 34-26112 34-26113 34-26211 34-26212 34-26213 34-28813 34-28816	23-91 TASK 801 23-91 TASK 802 23-91 TASK 803 24-32 TASK 817 24-32 TASK 820 24-61 TASK 805 27-02 TASK 946 27-02 TASK 947 27-02 TASK 948 30-31 TASK 807 30-31 TASK 808 30-31 TASK 809 34-21 TASK 802 34-21 TASK 803 34-21 TASK 830 34-21 TASK 831 34-21 TASK 805 34-21 TASK 832 34-21 TASK 833 34-21 TASK 807 34-21 TASK 834 34-21 TASK 835 34-21 TASK 836 34-21 TASK 837 34-21 TASK 838 34-21 TASK 811 34-21 TASK 841 34-21 TASK 842 34-21 TASK 812 34-21 TASK 846 34-21 TASK 847 34-21 TASK 813 34-21 TASK 814

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 480 00	Maintenance memo shows on the MAT: ADIRS.	(continued)	
		34-28824	34-21 TASK 850
		34-28827	34-21 TASK 851
		34-28835	34-21 TASK 853
		34-28838	34-21 TASK 854
		34-29102	34-21 TASK 815
		34-29105	34-21 TASK 816
		34-29120	34-21 TASK 894
		34-29201	34-21 TASK 858
		34-29202	34-21 TASK 859
		34-29204	34-21 TASK 860
		34-29303	34-21 TASK 864
		34-29306	34-21 TASK 865
		34-29320	34-21 TASK 896
342 481 00	Maintenance memo shows on the MAT: STBY ATT IND.		34-98 TASK 802
342 482 00	Maintenance memo shows on the MAT: SAARU GYRO LIFE.	34-30720	34-21 TASK 902
342 483 00	Maintenance memo shows on the MAT: SAARU RESTART COUNT.	34-30720	34-21 TASK 902
342 484 00	Integrated standby flight display: Heading is Intermittently Blank.		34-24 TASK 824
342 486 41	Maintenance memo shows on the MAT: AOA/ TAT (LEFT AIMS).	21-16205	21-25 TASK 823
		23-81001	23-91 TASK 801
		23-81003	23-91 TASK 803
		23-81004	23-91 TASK 804
		23-81006	23-91 TASK 806
		24-11780	24-53 TASK 805
		24-11781	24-51 TASK 837
		24-11786	24-51 TASK 833
		24-11790	24-08 TASK 833
		24-11793	24-08 TASK 834
		24-11795	24-08 TASK 804
		24-11796	24-08 TASK 804
		24-12057	24-08 TASK 836

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
342 486 41	Maintenance memo shows on the MAT: AOA/TAT (LEFT AIMS).	(continued)	
		24-12122	24-08 TASK 835
		24-12124	24-51 TASK 840
		24-12127	24-51 TASK 842
		24-12800	24-08 TASK 805
		24-12801	24-08 TASK 805
		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
		27-14018	27-02 TASK 813
		27-14025	27-02 TASK 943
		27-14030	27-02 TASK 905
		27-14031	27-02 TASK 906
		27-15100	27-02 TASK 946
		27-18811	27-02 TASK 901
		27-19101	27-02 TASK 974
		30-36421	30-31 TASK 804
		30-36521	30-31 TASK 806
		31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802
		31-51033	31-44 TASK 869
		31-51034	31-44 TASK 870
		31-51043	31-44 TASK 871
		31-51044	31-44 TASK 872
		31-51531	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

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342 486 41	Maintenance memo shows on the MAT: AOA/ TAT (LEFT AIMS).	(continued)	
		31-52013	31-43 TASK 866
		31-52014	31-43 TASK 867
		31-52112	31-41 TASK 820
		31-53401	31-41 TASK 832
		31-53402	31-41 TASK 833
		31-54013	31-43 TASK 868
		31-54014	31-43 TASK 869
		31-54102	31-41 TASK 835
		31-54121	31-41 TASK 838
		31-54122	31-41 TASK 839
		31-55401	31-41 TASK 840
		31-55402	31-41 TASK 841
		31-56013	31-43 TASK 870
		31-56111	31-41 TASK 846
		31-58013	31-43 TASK 872
		31-58014	31-43 TASK 873
		31-58101	31-41 TASK 852
		31-58121	31-41 TASK 856
		31-58122	31-41 TASK 857
		31-59401	31-41 TASK 992
		31-61011	31-43 TASK 861
		31-61012	31-43 TASK 862
		31-61020	31-43 TASK 863
		31-61071	31-43 TASK 841
		31-61072	31-43 TASK 842
		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
		31-69302	31-42 TASK 817
		31-69401	31-42 TASK 825
		31-69402	31-42 TASK 825
		31-69496	31-42 TASK 915

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342 486 41	Maintenance memo shows on the MAT: AOA/ TAT (LEFT AIMS).	(continued)	
		31-69497	31-42 TASK 915
		31-69601	31-42 TASK 857
		31-69602	31-42 TASK 857
		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
		34-25601	34-21 TASK 808
		34-25800	34-21 TASK 809
		34-26101	34-21 TASK 810
		34-28813	34-21 TASK 813
		34-29102	34-21 TASK 815
		34-29107	34-21 TASK 817
		34-29115	34-21 TASK 857
		34-29120	34-21 TASK 894
		34-29308	34-21 TASK 866
		34-29320	34-21 TASK 896
		34-31601	34-21 TASK 821
		34-32601	34-21 TASK 822
		34-32803	34-21 TASK 822
		34-33800	34-21 TASK 886
		34-36800	34-21 TASK 890
342 486 42	Maintenance memo shows on the MAT: AOA/ TAT (RIGHT AIMS).	24-11780	24-53 TASK 805
		24-11781	24-51 TASK 837
		24-11786	24-51 TASK 833
		24-12124	24-51 TASK 840
		24-12127	24-51 TASK 842
		31-52014	31-43 TASK 867
		31-53402	31-41 TASK 833
		31-54014	31-43 TASK 869
		31-55402	31-41 TASK 841

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342 486 42	Maintenance memo shows on the MAT: AOA/ TAT (RIGHT AIMS).	(continued) 31-58014 31-59402 34-34603 34-35603 34-36800	 31-43 TASK 873 31-41 TASK 993 34-21 TASK 887 34-21 TASK 888 34-21 TASK 890
342 498 00	ADIRU ALIGN MODE (EICAS MEMO)		34-21 TASK 897
342 601 00	Integrated standby flight display: ALT flag shows.		34-24 TASK 809
342 602 00	Integrated standby flight display: ATT flag shows.		34-24 TASK 813
342 603 00	Integrated standby flight display: G/S flag shows.		34-24 TASK 817
342 604 00	Integrated standby flight display: HDG flag shows.		34-24 TASK 808
342 605 00	Integrated standby flight display: LOC flag shows.		34-24 TASK 817
342 606 00	Integrated standby flight display: SPD flag shows.		34-24 TASK 811
342 607 00	Integrated standby flight display: WAIT ATT flag shows.		34-24 TASK 821
342 608 00	Integrated standby flight display: OUT OF ORDER flag shows.		34-24 TASK 822
342 609 00	Integrated standby flight display: airspeed or altitude is not correct.		34-24 TASK 823
342 616 00	Standby compass: heading does not agree with headings on PFD and ND.		34-23 TASK 801
342 617 00	Standby compass light problems.		34-23 TASK 802
342 621 31	PFD and ND heading display: blank - captain's.		34-21 TASK 892
342 621 32	PFD and ND heading display: blank - first officer's.		34-21 TASK 892
342 622 31	PFD and ND heading display: incorrect - captain's.		34-21 TASK 892
342 622 32	PFD and ND heading display: incorrect - first officer's.		34-21 TASK 892
342 623 00	Track indication on ND: track and heading indication differences do not correspond to wind drift.		34-61 TASK 947
342 631 00	ADIRU: does not align after 6-15 minutes.		34-21 TASK 900

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342 632 00	FMC: CDU shows message ENTER INERTIAL POSITION.		34-21 TASK 901
342 633 00	MACH BIAS indication on INERTIAL MONITOR page of CDU does not show expected value.		34-21 TASK 906
342 641 31	Vertical speed display problem on PFD and ND - captain's.		34-21 TASK 892
342 641 32	Vertical speed display problem on PFD and ND - first officer's.		34-21 TASK 892
343 001 00	ILS ANTENNA (EICAS CAUTION)	22-13501	34-31 TASK 806
		22-13502	34-31 TASK 807
		22-13503	34-31 TASK 808
		22-13511	34-31 TASK 809
		22-13512	34-31 TASK 810
		22-13513	34-31 TASK 811
		22-15831	22-15 TASK 807
		22-15832	22-15 TASK 813
		22-15833	22-15 TASK 814
		22-15841	22-15 TASK 808
		22-15842	22-15 TASK 815
343 011 00	SINGLE SOURCE ILS (EICAS CAUTION)	22-15843	22-15 TASK 816
		24-11784	24-51 TASK 836
		24-12056	24-32 TASK 820
		24-12126	24-51 TASK 841
		24-13815	24-61 TASK 806
		24-13817	24-33 TASK 818
		31-56013	31-43 TASK 870
		31-56231	31-41 TASK 919
		31-57701	31-41 TASK 842
		31-58014	31-43 TASK 873
		31-58282	31-41 TASK 922
		31-59712	31-41 TASK 859
		31-68802	31-43 TASK 893
		31-68902	31-43 TASK 886
		31-68904	31-43 TASK 888
		31-69867	31-42 TASK 913
		31-69868	31-42 TASK 913

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343 011 00	SINGLE SOURCE ILS (EICAS CAUTION)	(continued)	
		31-69869	31-42 TASK 913
		31-69870	31-42 TASK 913
		31-69871	31-42 TASK 913
		31-69872	31-42 TASK 913
		34-53011	34-31 TASK 846
		34-53012	34-31 TASK 847
		34-53013	34-31 TASK 848
		34-53021	34-31 TASK 849
		34-53022	34-31 TASK 850
		34-53023	34-31 TASK 851
		34-53031	34-31 TASK 852
		34-53032	34-31 TASK 853
		34-53033	34-31 TASK 854
		34-53801	34-31 TASK 855
		34-53802	34-31 TASK 856
		34-53803	34-31 TASK 857
		34-53894	34-31 TASK 858
		34-53895	34-31 TASK 859
		34-53896	34-31 TASK 860
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68801	34-61 TASK 819
		34-68802	34-61 TASK 819
		34-68891	34-61 TASK 801
		34-68892	34-61 TASK 823
		NONE	34-31 TASK 884
343 021 41	ILS L (EICAS STATUS)	24-11784	24-51 TASK 836
		24-13815	24-61 TASK 806
		31-58014	31-43 TASK 873
		31-58282	31-41 TASK 922
		31-59712	31-41 TASK 859
		31-68802	31-43 TASK 893
		31-68902	31-43 TASK 886
		31-69867	31-42 TASK 913

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
343 021 41	ILS L (EICAS STATUS)	(continued)	
		31-69868	31-42 TASK 913
		34-53011	34-31 TASK 846
		34-53021	34-31 TASK 849
		34-53031	34-31 TASK 852
		34-53801	34-31 TASK 855
		34-53894	34-31 TASK 858
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68801	34-61 TASK 819
343 021 42	ILS R (EICAS STATUS)	34-68891	34-61 TASK 801
		24-12056	24-32 TASK 820
		24-12126	24-51 TASK 841
		31-56013	31-43 TASK 870
		31-56231	31-41 TASK 919
		31-57701	31-41 TASK 842
		31-68802	31-43 TASK 893
		31-68904	31-43 TASK 888
		31-69871	31-42 TASK 913
		31-69872	31-42 TASK 913
		34-53013	34-31 TASK 848
		34-53023	34-31 TASK 851
		34-53033	34-31 TASK 854
		34-53803	34-31 TASK 857
		34-53896	34-31 TASK 860
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
343 021 43	ILS C (EICAS STATUS)	34-68802	34-61 TASK 819
		34-68892	34-61 TASK 823
		24-13815	24-61 TASK 806
		24-13817	24-33 TASK 818
		31-68802	31-43 TASK 893
		31-69869	31-42 TASK 913
		31-69870	31-42 TASK 913

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
343 021 43	ILS C (EICAS STATUS)	(continued)	
		34-53012	34-31 TASK 847
		34-53022	34-31 TASK 850
		34-53032	34-31 TASK 853
		34-53802	34-31 TASK 856
		34-53895	34-31 TASK 859
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68801	34-61 TASK 819
		34-68891	34-61 TASK 801
343 031 41	G/S ANTENNA L (EICAS STATUS)	22-13501	34-31 TASK 806
		22-15831	22-15 TASK 807
343 031 42	G/S ANTENNA R (EICAS STATUS)	22-13503	34-31 TASK 808
		22-15833	22-15 TASK 814
343 031 43	G/S ANTENNA C (EICAS STATUS)	22-13502	34-31 TASK 807
		22-15832	22-15 TASK 813
343 041 41	LOC ANTENNA L (EICAS STATUS)	22-13511	34-31 TASK 809
		22-15841	22-15 TASK 808
343 041 42	LOC ANTENNA R (EICAS STATUS)	22-13513	34-31 TASK 811
		22-15843	22-15 TASK 816
343 041 43	LOC ANTENNA C (EICAS STATUS)	22-13512	34-31 TASK 810
		22-15842	22-15 TASK 815
343 051 41	RADIO ALT L (EICAS STATUS)	24-11784	24-51 TASK 836
		31-69973	31-42 TASK 899
		31-69974	31-42 TASK 899
		34-42011	34-33 TASK 801
		34-42021	34-33 TASK 802
		34-42031	34-33 TASK 814
		34-42801	34-33 TASK 801
		34-42891	34-33 TASK 803
343 051 42	RADIO ALT R (EICAS STATUS)	24-12126	24-51 TASK 841
		31-69977	31-42 TASK 899
		31-69978	31-42 TASK 899
		34-42013	34-33 TASK 801
		34-42023	34-33 TASK 813

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
343 051 42	RADIO ALT R (EICAS STATUS)	(continued) 34-42033 34-42803 34-42893	34-33 TASK 816 34-33 TASK 801 34-33 TASK 805
343 051 43	RADIO ALT C (EICAS STATUS)	24-13817 31-69975 31-69976 34-42012 34-42022 34-42032 34-42802 34-42892	24-33 TASK 818 31-42 TASK 899 31-42 TASK 899 34-33 TASK 801 34-33 TASK 812 34-33 TASK 815 34-33 TASK 801 34-33 TASK 804
343 131 41	RADIO ALT MONITOR L (EICAS STATUS) Before you do any task listed here, see FIM 34-33 TASK 826. NOTE: AIMS CAN LATCH THIS MESSAGE.	34-42041	34-33 TASK 826
343 131 42	RADIO ALT MONITOR R (EICAS STATUS) Before you do any task listed here, see FIM 34-33 TASK 828. NOTE: AIMS CAN LATCH THIS MESSAGE.	34-42043	34-33 TASK 828
343 131 43	RADIO ALT MONITOR C (EICAS STATUS) Before you do any task listed here, see FIM 34-33 TASK 827. NOTE: AIMS CAN LATCH THIS MESSAGE.	34-42042	34-33 TASK 827
343 301 31	G/S flag shows on PFD - captain's.	22-13501 22-13502 22-13503 22-15831 22-15832 22-15833 24-11784 24-12056 24-12126 24-13815 24-13817	34-31 TASK 806 34-31 TASK 807 34-31 TASK 808 22-15 TASK 807 22-15 TASK 813 22-15 TASK 814 24-51 TASK 836 24-32 TASK 820 24-51 TASK 841 24-61 TASK 806 24-33 TASK 818

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
343 301 31	G/S flag shows on PFD - captain's.	(continued)	
		31-56013	31-43 TASK 870
		31-56231	31-41 TASK 919
		31-57701	31-41 TASK 842
		31-58014	31-43 TASK 873
		31-58282	31-41 TASK 922
		31-59712	31-41 TASK 859
		31-68802	31-43 TASK 893
		31-68902	31-43 TASK 886
		31-68904	31-43 TASK 888
		31-69867	31-42 TASK 913
		31-69868	31-42 TASK 913
		31-69869	31-42 TASK 913
		31-69870	31-42 TASK 913
		31-69871	31-42 TASK 913
		31-69872	31-42 TASK 913
		31-85111	31-98 TASK 801
		34-53011	34-31 TASK 846
		34-53012	34-31 TASK 847
		34-53013	34-31 TASK 848
		34-53021	34-31 TASK 849
		34-53022	34-31 TASK 850
		34-53023	34-31 TASK 851
		34-53031	34-31 TASK 852
		34-53032	34-31 TASK 853
		34-53033	34-31 TASK 854
		34-53801	34-31 TASK 855
		34-53802	34-31 TASK 856
		34-53803	34-31 TASK 857
		34-53894	34-31 TASK 858
		34-53895	34-31 TASK 859
		34-53896	34-31 TASK 860
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68801	34-61 TASK 819

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
343 301 31	G/S flag shows on PFD - captain's.	(continued)	
		34-68802	34-61 TASK 819
		34-68891	34-61 TASK 801
		34-68892	34-61 TASK 823
343 301 32	G/S flag shows on PFD - first officer's.	22-13501	34-31 TASK 806
		22-13502	34-31 TASK 807
		22-13503	34-31 TASK 808
		22-15831	22-15 TASK 807
		22-15832	22-15 TASK 813
		22-15833	22-15 TASK 814
		24-11784	24-51 TASK 836
		24-12056	24-32 TASK 820
		24-12126	24-51 TASK 841
		24-13815	24-61 TASK 806
		24-13817	24-33 TASK 818
		31-56013	31-43 TASK 870
		31-56231	31-41 TASK 919
		31-57701	31-41 TASK 842
		31-58014	31-43 TASK 873
		31-58282	31-41 TASK 922
		31-59712	31-41 TASK 859
		31-68802	31-43 TASK 893
		31-68902	31-43 TASK 886
		31-68904	31-43 TASK 888
		31-69867	31-42 TASK 913
		31-69868	31-42 TASK 913
		31-69869	31-42 TASK 913
		31-69870	31-42 TASK 913
		31-69871	31-42 TASK 913
		31-69872	31-42 TASK 913
		31-85112	31-98 TASK 801
		34-53011	34-31 TASK 846
		34-53012	34-31 TASK 847
		34-53013	34-31 TASK 848
		34-53021	34-31 TASK 849
		34-53022	34-31 TASK 850

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
343 301 32	G/S flag shows on PFD - first officer's.	(continued)	
		34-53023	34-31 TASK 851
		34-53031	34-31 TASK 852
		34-53032	34-31 TASK 853
		34-53033	34-31 TASK 854
		34-53801	34-31 TASK 855
		34-53802	34-31 TASK 856
		34-53803	34-31 TASK 857
		34-53894	34-31 TASK 858
		34-53895	34-31 TASK 859
		34-53896	34-31 TASK 860
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68801	34-61 TASK 819
		34-68802	34-61 TASK 819
		34-68891	34-61 TASK 801
		34-68892	34-61 TASK 823
343 302 31	LOC flag shows on PFD - captain's.	22-13511	34-31 TASK 809
		22-13512	34-31 TASK 810
		22-13513	34-31 TASK 811
		22-15841	22-15 TASK 808
		22-15842	22-15 TASK 815
		22-15843	22-15 TASK 816
		24-11784	24-51 TASK 836
		24-12056	24-32 TASK 820
		24-12126	24-51 TASK 841
		24-13815	24-61 TASK 806
		24-13817	24-33 TASK 818
		31-56013	31-43 TASK 870
		31-56231	31-41 TASK 919
		31-57701	31-41 TASK 842
		31-58014	31-43 TASK 873
		31-58282	31-41 TASK 922
		31-59712	31-41 TASK 859
		31-68802	31-43 TASK 893

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
343 302 31	LOC flag shows on PFD - captain's.	(continued)	
		31-68902	31-43 TASK 886
		31-68904	31-43 TASK 888
		31-69867	31-42 TASK 913
		31-69868	31-42 TASK 913
		31-69869	31-42 TASK 913
		31-69870	31-42 TASK 913
		31-69871	31-42 TASK 913
		31-69872	31-42 TASK 913
		31-85119	31-98 TASK 801
		34-53011	34-31 TASK 846
		34-53012	34-31 TASK 847
		34-53013	34-31 TASK 848
		34-53021	34-31 TASK 849
		34-53022	34-31 TASK 850
		34-53023	34-31 TASK 851
		34-53031	34-31 TASK 852
		34-53032	34-31 TASK 853
		34-53033	34-31 TASK 854
		34-53801	34-31 TASK 855
		34-53802	34-31 TASK 856
		34-53803	34-31 TASK 857
		34-53894	34-31 TASK 858
		34-53895	34-31 TASK 859
		34-53896	34-31 TASK 860
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68801	34-61 TASK 819
		34-68802	34-61 TASK 819
		34-68891	34-61 TASK 801
		34-68892	34-61 TASK 823
343 302 32	LOC flag shows on PFD - first officer's.	22-13511	34-31 TASK 809
		22-13512	34-31 TASK 810
		22-13513	34-31 TASK 811
		22-15841	22-15 TASK 808

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343 302 32	LOC flag shows on PFD - first officer's.	(continued)	
		22-15842	22-15 TASK 815
		22-15843	22-15 TASK 816
		24-11784	24-51 TASK 836
		24-12056	24-32 TASK 820
		24-12126	24-51 TASK 841
		24-13815	24-61 TASK 806
		24-13817	24-33 TASK 818
		31-56013	31-43 TASK 870
		31-56231	31-41 TASK 919
		31-57701	31-41 TASK 842
		31-58014	31-43 TASK 873
		31-58282	31-41 TASK 922
		31-59712	31-41 TASK 859
		31-68802	31-43 TASK 893
		31-68902	31-43 TASK 886
		31-68904	31-43 TASK 888
		31-69867	31-42 TASK 913
		31-69868	31-42 TASK 913
		31-69869	31-42 TASK 913
		31-69870	31-42 TASK 913
		31-69871	31-42 TASK 913
		31-69872	31-42 TASK 913
		31-85120	31-98 TASK 801
		34-53011	34-31 TASK 846
		34-53012	34-31 TASK 847
		34-53013	34-31 TASK 848
		34-53021	34-31 TASK 849
		34-53022	34-31 TASK 850
		34-53023	34-31 TASK 851
		34-53031	34-31 TASK 852
		34-53032	34-31 TASK 853
		34-53033	34-31 TASK 854
		34-53801	34-31 TASK 855
		34-53802	34-31 TASK 856
		34-53803	34-31 TASK 857

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343 302 32	LOC flag shows on PFD - first officer's.	(continued)	
		34-53894	34-31 TASK 858
		34-53895	34-31 TASK 859
		34-53896	34-31 TASK 860
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68801	34-61 TASK 819
		34-68802	34-61 TASK 819
		34-68891	34-61 TASK 801
343 306 31	G/S flag shows on ND - captain's.	34-68892	34-61 TASK 823
		22-13501	34-31 TASK 806
		22-13502	34-31 TASK 807
		22-13503	34-31 TASK 808
		22-15831	22-15 TASK 807
		22-15832	22-15 TASK 813
		22-15833	22-15 TASK 814
		24-11784	24-51 TASK 836
		24-12056	24-32 TASK 820
		24-12126	24-51 TASK 841
		24-13815	24-61 TASK 806
		24-13817	24-33 TASK 818
		31-56013	31-43 TASK 870
		31-56231	31-41 TASK 919
		31-57701	31-41 TASK 842
		31-58014	31-43 TASK 873
		31-58282	31-41 TASK 922
		31-59712	31-41 TASK 859
		31-68802	31-43 TASK 893
		31-68902	31-43 TASK 886
		31-68904	31-43 TASK 888
		31-69867	31-42 TASK 913
		31-69868	31-42 TASK 913
		31-69869	31-42 TASK 913
		31-69870	31-42 TASK 913
		31-69871	31-42 TASK 913

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343 306 31	G/S flag shows on ND - captain's.	(continued)	
		31-69872	31-42 TASK 913
		31-85211	31-98 TASK 801
		32-71280	32-07 TASK 809
		34-53011	34-31 TASK 846
		34-53012	34-31 TASK 847
		34-53013	34-31 TASK 848
		34-53021	34-31 TASK 849
		34-53022	34-31 TASK 850
		34-53023	34-31 TASK 851
		34-53031	34-31 TASK 852
		34-53032	34-31 TASK 853
		34-53033	34-31 TASK 854
		34-53801	34-31 TASK 855
		34-53802	34-31 TASK 856
		34-53803	34-31 TASK 857
		34-53894	34-31 TASK 858
		34-53895	34-31 TASK 859
		34-53896	34-31 TASK 860
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68801	34-61 TASK 819
		34-68802	34-61 TASK 819
		34-68891	34-61 TASK 801
		34-68892	34-61 TASK 823
343 306 32	G/S flag shows on ND - first officer's.	22-13501	34-31 TASK 806
		22-13502	34-31 TASK 807
		22-13503	34-31 TASK 808
		22-15831	22-15 TASK 807
		22-15832	22-15 TASK 813
		22-15833	22-15 TASK 814
		24-11784	24-51 TASK 836
		24-12056	24-32 TASK 820
		24-12126	24-51 TASK 841
		24-13815	24-61 TASK 806

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
343 306 32	G/S flag shows on ND - first officer's.	(continued)	
		24-13817	24-33 TASK 818
		31-56013	31-43 TASK 870
		31-56231	31-41 TASK 919
		31-57701	31-41 TASK 842
		31-58014	31-43 TASK 873
		31-58282	31-41 TASK 922
		31-59712	31-41 TASK 859
		31-68802	31-43 TASK 893
		31-68902	31-43 TASK 886
		31-68904	31-43 TASK 888
		31-69867	31-42 TASK 913
		31-69868	31-42 TASK 913
		31-69869	31-42 TASK 913
		31-69870	31-42 TASK 913
		31-69871	31-42 TASK 913
		31-69872	31-42 TASK 913
		31-85212	31-98 TASK 801
		34-53011	34-31 TASK 846
		34-53012	34-31 TASK 847
		34-53013	34-31 TASK 848
		34-53021	34-31 TASK 849
		34-53022	34-31 TASK 850
		34-53023	34-31 TASK 851
		34-53031	34-31 TASK 852
		34-53032	34-31 TASK 853
		34-53033	34-31 TASK 854
		34-53801	34-31 TASK 855
		34-53802	34-31 TASK 856
		34-53803	34-31 TASK 857
		34-53894	34-31 TASK 858
		34-53895	34-31 TASK 859
		34-53896	34-31 TASK 860
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
343 306 32	G/S flag shows on ND - first officer's.	(continued)	
		34-68801	34-61 TASK 819
		34-68802	34-61 TASK 819
		34-68891	34-61 TASK 801
343 307 31	LOC flag shows on ND - captain's.	34-68892	34-61 TASK 823
		22-13511	34-31 TASK 809
		22-13512	34-31 TASK 810
		22-13513	34-31 TASK 811
		22-15841	22-15 TASK 808
		22-15842	22-15 TASK 815
		22-15843	22-15 TASK 816
		24-11784	24-51 TASK 836
		24-12056	24-32 TASK 820
		24-12126	24-51 TASK 841
		24-13815	24-61 TASK 806
		24-13817	24-33 TASK 818
		31-56013	31-43 TASK 870
		31-56231	31-41 TASK 919
		31-57701	31-41 TASK 842
		31-58014	31-43 TASK 873
		31-58282	31-41 TASK 922
		31-59712	31-41 TASK 859
		31-68802	31-43 TASK 893
		31-68902	31-43 TASK 886
		31-68904	31-43 TASK 888
		31-69867	31-42 TASK 913
		31-69868	31-42 TASK 913
		31-69869	31-42 TASK 913
		31-69870	31-42 TASK 913
		31-69871	31-42 TASK 913
		31-69872	31-42 TASK 913
		31-85215	31-98 TASK 801
		32-71282	32-07 TASK 810
		34-53011	34-31 TASK 846
		34-53012	34-31 TASK 847
		34-53013	34-31 TASK 848

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
343 307 31	LOC flag shows on ND - captain's.	(continued)	
		34-53021	34-31 TASK 849
		34-53022	34-31 TASK 850
		34-53023	34-31 TASK 851
		34-53031	34-31 TASK 852
		34-53032	34-31 TASK 853
		34-53033	34-31 TASK 854
		34-53801	34-31 TASK 855
		34-53802	34-31 TASK 856
		34-53803	34-31 TASK 857
		34-53894	34-31 TASK 858
		34-53895	34-31 TASK 859
		34-53896	34-31 TASK 860
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68801	34-61 TASK 819
		34-68802	34-61 TASK 819
		34-68891	34-61 TASK 801
		34-68892	34-61 TASK 823
343 307 32	LOC flag shows on ND - first officer's.	22-13511	34-31 TASK 809
		22-13512	34-31 TASK 810
		22-13513	34-31 TASK 811
		22-15841	22-15 TASK 808
		22-15842	22-15 TASK 815
		22-15843	22-15 TASK 816
		24-11784	24-51 TASK 836
		24-12056	24-32 TASK 820
		24-12126	24-51 TASK 841
		24-13815	24-61 TASK 806
		24-13817	24-33 TASK 818
		31-56013	31-43 TASK 870
		31-56231	31-41 TASK 919
		31-57701	31-41 TASK 842
		31-58014	31-43 TASK 873
		31-58282	31-41 TASK 922

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
343 307 32	LOC flag shows on ND - first officer's.	(continued)	
		31-59712	31-41 TASK 859
		31-68802	31-43 TASK 893
		31-68902	31-43 TASK 886
		31-68904	31-43 TASK 888
		31-69867	31-42 TASK 913
		31-69868	31-42 TASK 913
		31-69869	31-42 TASK 913
		31-69870	31-42 TASK 913
		31-69871	31-42 TASK 913
		31-69872	31-42 TASK 913
		31-85216	31-98 TASK 801
		34-53011	34-31 TASK 846
		34-53012	34-31 TASK 847
		34-53013	34-31 TASK 848
		34-53021	34-31 TASK 849
		34-53022	34-31 TASK 850
		34-53023	34-31 TASK 851
		34-53031	34-31 TASK 852
		34-53032	34-31 TASK 853
		34-53033	34-31 TASK 854
		34-53801	34-31 TASK 855
		34-53802	34-31 TASK 856
		34-53803	34-31 TASK 857
		34-53894	34-31 TASK 858
		34-53895	34-31 TASK 859
		34-53896	34-31 TASK 860
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68801	34-61 TASK 819
		34-68802	34-61 TASK 819
		34-68891	34-61 TASK 801
		34-68892	34-61 TASK 823
343 311 31	RA flag shows on PFD - captain's.	24-11784	24-51 TASK 836
		24-12126	24-51 TASK 841

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
343 311 31	RA flag shows on PFD - captain's.	(continued)	
		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
		31-69977	31-42 TASK 899
		31-69978	31-42 TASK 899
		31-85121	31-98 TASK 801
		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
343 311 32	RA flag shows on PFD - first officer's.	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
		31-69977	31-42 TASK 899
		31-69978	31-42 TASK 899
		31-85122	31-98 TASK 801
		34-42011	34-33 TASK 801
		34-42012	34-33 TASK 801

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343 311 32	RA flag shows on PFD - first officer's.	(continued)	
		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
343 480 41	Maintenance memo shows on the MAT: PVDS (AFDC L).	22-13451	22-13 TASK 833
		22-13452	22-13 TASK 844
		22-13453	22-13 TASK 845
		22-18801	22-13 TASK 815
		22-18802	22-13 TASK 815
		22-18803	22-13 TASK 815
343 480 42	Maintenance memo shows on the MAT: PVDS (AFDC R).	22-13451	22-13 TASK 833
		22-13452	22-13 TASK 844
		22-13453	22-13 TASK 845
		22-18801	22-13 TASK 815
		22-18802	22-13 TASK 815
		22-18803	22-13 TASK 815
343 480 43	Maintenance memo shows on the MAT: PVDS (AFDC C).	22-13451	22-13 TASK 833
		22-13452	22-13 TASK 844
		22-13453	22-13 TASK 845
		22-18801	22-13 TASK 815
		22-18802	22-13 TASK 815
		22-18803	22-13 TASK 815

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344 001 00	TCAS OFF (EICAS ADVISORY) Before you do any task listed here, see FIM 34-45 TASK 826.	23-81001	23-91 TASK 801
		23-81002	23-91 TASK 802
		23-81003	23-91 TASK 803
		24-12126	24-51 TASK 841
		24-13817	24-33 TASK 818
		27-15100	27-02 TASK 946
		27-15101	27-02 TASK 947
		27-15102	27-02 TASK 948
		31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802
		31-50091	31-44 TASK 819
		31-50092	31-44 TASK 820
		31-51014	31-44 TASK 864
		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
		31-51142	31-44 TASK 828
		31-51144	31-44 TASK 832
		31-51342	31-44 TASK 834
		31-51344	31-44 TASK 836
		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

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344 001 00	TCAS OFF (EICAS ADVISORY) Before you do any task listed here, see FIM 34-45 TASK 826.	(continued)	
		31-51533	31-44 TASK 839
		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
		31-51731	31-44 TASK 841
		31-51733	31-44 TASK 843
		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
		31-52112	31-41 TASK 820
		31-52271	31-41 TASK 914
		31-52541	31-43 TASK 815
		31-52542	31-43 TASK 816
		31-52591	31-43 TASK 855
		31-52592	31-43 TASK 855
		31-53711	31-41 TASK 832
		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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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 001 00	TCAS OFF (EICAS ADVISORY) Before you do any task listed here, see FIM 34-45 TASK 826.	(continued)	
		31-54014	31-43 TASK 869
		31-54101	31-41 TASK 834
		31-54102	31-41 TASK 835
		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
		31-56501	31-43 TASK 854
		31-56502	31-43 TASK 854
		31-57701	31-41 TASK 842
		31-57702	31-41 TASK 843
		31-57711	31-41 TASK 842
		31-57712	31-41 TASK 843
		31-58013	31-43 TASK 872
		31-58101	31-41 TASK 852
		31-61011	31-43 TASK 861
		31-61020	31-43 TASK 863
		31-61071	31-43 TASK 841
		31-62012	31-43 TASK 844
		31-62020	31-43 TASK 845
		31-62072	31-43 TASK 851
		31-68801	31-43 TASK 892
		31-68802	31-43 TASK 893
		31-68895	31-43 TASK 879
		31-68896	31-43 TASK 880
		31-69101	31-42 TASK 801
		31-69117	31-42 TASK 806
		31-69202	31-42 TASK 809
		31-69220	31-42 TASK 814
		31-69301	31-42 TASK 817
		31-69302	31-42 TASK 817
		31-69317	31-42 TASK 822

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 001 00	TCAS OFF (EICAS ADVISORY) Before you do any task listed here, see FIM 34-45 TASK 826.	(continued)	
		31-69949	31-42 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
		34-25201	34-11 TASK 804
		34-25202	34-11 TASK 805
		34-25203	34-11 TASK 806
		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
		34-28816	34-21 TASK 814
		34-28827	34-21 TASK 851
		34-28830	34-21 TASK 852
		34-28838	34-21 TASK 854
		34-29101	34-21 TASK 893
		34-29105	34-21 TASK 816
		34-29120	34-21 TASK 894
		34-29201	34-21 TASK 858
		34-29204	34-21 TASK 860
		34-29301	34-21 TASK 895
		34-29306	34-21 TASK 865
		34-29320	34-21 TASK 896
		34-30700	34-21 TASK 870
		34-30711	34-21 TASK 818
		34-30712	34-21 TASK 871

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 001 00	TCAS OFF (EICAS ADVISORY) Before you do any task listed here, see FIM 34-45 TASK 826.	(continued)	
		34-30713	34-21 TASK 872
		34-30760	34-21 TASK 819
		34-38310	34-21 TASK 819
		34-38801	34-21 TASK 874
		34-38820	34-21 TASK 898
		34-39101	34-21 TASK 825
		34-39106	34-21 TASK 827
		34-39201	34-21 TASK 871
		34-39207	34-21 TASK 877
		34-39301	34-21 TASK 879
		34-39308	34-21 TASK 881
		34-48011	34-53 TASK 801
		34-48012	34-53 TASK 802
		34-48020	34-53 TASK 803
		34-48021	34-53 TASK 804
		34-48022	34-53 TASK 805
		34-48030	34-53 TASK 806
		34-48031	34-53 TASK 807
		34-48032	34-53 TASK 808
		34-48801	34-53 TASK 809
		34-48802	34-53 TASK 810
		34-48891	34-53 TASK 812
		34-48894	34-53 TASK 833
		34-49931	34-45 TASK 819
		34-49932	34-45 TASK 820
		34-49988	34-53 TASK 821
		34-49991	34-53 TASK 823
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
		34-71060	34-90 TASK 801

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344 011 00	TCAS (EICAS ADVISORY) Before you do any task listed here, see FIM 34-45 TASK 825.	23-81001	23-91 TASK 801
		23-81002	23-91 TASK 802
		23-81003	23-91 TASK 803
		24-11782	24-51 TASK 838
		24-11784	24-51 TASK 836
		24-11786	24-51 TASK 833
		24-12126	24-51 TASK 841
		24-13817	24-33 TASK 818
		27-15100	27-02 TASK 946
		27-15101	27-02 TASK 947
		27-15102	27-02 TASK 948
		31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802
		31-50091	31-44 TASK 819
		31-50092	31-44 TASK 820
		31-51014	31-44 TASK 864
		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
		31-51142	31-44 TASK 828
		31-51144	31-44 TASK 832
		31-51342	31-44 TASK 834
		31-51344	31-44 TASK 836
		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

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 011 00	TCAS (EICAS ADVISORY) Before you do any task listed here, see FIM 34-45 TASK 825.	(continued)	
		31-51423	34-61 TASK 815
		31-51424	34-61 TASK 889
		31-51531	31-44 TASK 837
		31-51533	31-44 TASK 839
		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
		31-51731	31-44 TASK 841
		31-51733	31-44 TASK 843
		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
		31-52112	31-41 TASK 820
		31-52541	31-43 TASK 815
		31-52542	31-43 TASK 816
		31-52591	31-43 TASK 855
		31-52592	31-43 TASK 855
		31-53721	31-41 TASK 832
		31-53722	31-41 TASK 833
		31-53731	31-41 TASK 832
		31-53732	31-41 TASK 833

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 011 00	TCAS (EICAS ADVISORY) Before you do any task listed here, see FIM 34-45 TASK 825.	(continued)	
		31-54013	31-43 TASK 868
		31-54014	31-43 TASK 869
		31-54101	31-41 TASK 834
		31-54102	31-41 TASK 835
		31-54272	31-41 TASK 917
		31-54311	31-41 TASK 916
		31-55711	31-41 TASK 840
		31-55712	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
		31-56501	31-43 TASK 854
		31-56502	31-43 TASK 854
		31-57701	31-41 TASK 842
		31-57702	31-41 TASK 843
		31-57711	31-41 TASK 842
		31-57712	31-41 TASK 843
		31-58013	31-43 TASK 872
		31-58101	31-41 TASK 852
		31-61011	31-43 TASK 861
		31-61020	31-43 TASK 863
		31-61071	31-43 TASK 841
		31-62012	31-43 TASK 844
		31-62020	31-43 TASK 845
		31-62072	31-43 TASK 851
		31-68801	31-43 TASK 892
		31-68802	31-43 TASK 893
		31-68895	31-43 TASK 879
		31-68896	31-43 TASK 880
		31-69101	31-42 TASK 801
		31-69117	31-42 TASK 806

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344 011 00	TCAS (EICAS ADVISORY) Before you do any task listed here, see FIM 34-45 TASK 825.	(continued)	
		31-69202	31-42 TASK 809
		31-69220	31-42 TASK 814
		31-69301	31-42 TASK 817
		31-69302	31-42 TASK 817
		31-69317	31-42 TASK 822
		31-69985	31-42 TASK 903
		31-69986	31-42 TASK 903
		31-69987	31-42 TASK 903
		31-69988	31-42 TASK 903
		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
		34-25201	34-11 TASK 804
		34-25202	34-11 TASK 805
		34-25203	34-11 TASK 806
		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
		34-28816	34-21 TASK 814
		34-28827	34-21 TASK 851
		34-28830	34-21 TASK 852
		34-28838	34-21 TASK 854
		34-29101	34-21 TASK 893
		34-29105	34-21 TASK 816
		34-29120	34-21 TASK 894

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 011 00	TCAS (EICAS ADVISORY) Before you do any task listed here, see FIM 34-45 TASK 825.	(continued)	
		34-29201	34-21 TASK 858
		34-29204	34-21 TASK 860
		34-29301	34-21 TASK 895
		34-29306	34-21 TASK 865
		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
		34-38310	34-21 TASK 819
		34-38801	34-21 TASK 874
		34-38820	34-21 TASK 898
		34-39101	34-21 TASK 825
		34-39106	34-21 TASK 827
		34-39201	34-21 TASK 871
		34-39207	34-21 TASK 877
		34-39301	34-21 TASK 879
		34-39308	34-21 TASK 881
		34-42011	34-33 TASK 801
		34-42013	34-33 TASK 801
		34-42021	34-33 TASK 802
		34-42023	34-33 TASK 813
		34-42031	34-33 TASK 814
		34-42033	34-33 TASK 816
		34-42801	34-33 TASK 801
		34-42803	34-33 TASK 801
		34-42894	34-33 TASK 806
		34-42896	34-33 TASK 807
		34-45010	34-45 TASK 801
		34-45020	34-45 TASK 802
		34-45030	34-45 TASK 803
		34-45801	34-45 TASK 806

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 011 00	TCAS (EICAS ADVISORY) Before you do any task listed here, see FIM 34-45 TASK 825.	(continued)	
		34-45810	34-45 TASK 822
		34-45820	34-45 TASK 823
		34-45891	34-45 TASK 807
		34-45892	34-45 TASK 808
		34-48011	34-53 TASK 801
		34-48012	34-53 TASK 802
		34-48020	34-53 TASK 803
		34-48021	34-53 TASK 804
		34-48022	34-53 TASK 805
		34-48030	34-53 TASK 806
		34-48031	34-53 TASK 807
		34-48032	34-53 TASK 808
		34-48801	34-53 TASK 809
		34-48802	34-53 TASK 810
		34-48803	34-53 TASK 811
		34-48891	34-53 TASK 812
		34-48894	34-53 TASK 833
		34-49931	34-45 TASK 819
		34-49932	34-45 TASK 820
		34-49940	34-45 TASK 813
		34-49943	34-45 TASK 814
		34-49988	34-53 TASK 821
		34-49989	34-53 TASK 822
		34-49991	34-53 TASK 823
		34-49992	34-53 TASK 824
		34-49994	34-53 TASK 825
		34-49995	34-53 TASK 826
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
		34-71060	34-90 TASK 801
344 012 00	TCAS (EICAS STATUS)	23-81001	23-91 TASK 801
		23-81002	23-91 TASK 802
		23-81003	23-91 TASK 803

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 012 00	TCAS (EICAS STATUS)	(continued)	
		24-11782	24-51 TASK 838
		24-11784	24-51 TASK 836
		24-11786	24-51 TASK 833
		24-12126	24-51 TASK 841
		24-13817	24-33 TASK 818
		27-15100	27-02 TASK 946
		27-15101	27-02 TASK 947
		27-15102	27-02 TASK 948
		31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802
		31-50091	31-44 TASK 819
		31-50092	31-44 TASK 820
		31-51014	31-44 TASK 864
		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
		31-51142	31-44 TASK 828
		31-51144	31-44 TASK 832
		31-51342	31-44 TASK 834
		31-51344	31-44 TASK 836
		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
		31-51533	31-44 TASK 839

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 012 00	TCAS (EICAS STATUS)	(continued)	
		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
		31-51731	31-44 TASK 841
		31-51733	31-44 TASK 843
		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
		31-52112	31-41 TASK 820
		31-52541	31-43 TASK 815
		31-52542	31-43 TASK 816
		31-52591	31-43 TASK 855
		31-52592	31-43 TASK 855
		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
		31-54101	31-41 TASK 834
		31-54102	31-41 TASK 835
		31-54272	31-41 TASK 917
		31-54311	31-41 TASK 916

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 012 00	TCAS (EICAS STATUS)	(continued)	
		31-55711	31-41 TASK 840
		31-55712	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
		31-56501	31-43 TASK 854
		31-56502	31-43 TASK 854
		31-57701	31-41 TASK 842
		31-57702	31-41 TASK 843
		31-57711	31-41 TASK 842
		31-57712	31-41 TASK 843
		31-58013	31-43 TASK 872
		31-58101	31-41 TASK 852
		31-61011	31-43 TASK 861
		31-61020	31-43 TASK 863
		31-61071	31-43 TASK 841
		31-62012	31-43 TASK 844
		31-62020	31-43 TASK 845
		31-62072	31-43 TASK 851
		31-68801	31-43 TASK 892
		31-68802	31-43 TASK 893
		31-68895	31-43 TASK 879
		31-68896	31-43 TASK 880
		31-69101	31-42 TASK 801
		31-69117	31-42 TASK 806
		31-69202	31-42 TASK 809
		31-69220	31-42 TASK 814
		31-69301	31-42 TASK 817
		31-69302	31-42 TASK 817
		31-69317	31-42 TASK 822
		31-69985	31-42 TASK 903
		31-69986	31-42 TASK 903
		31-69987	31-42 TASK 903

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 012 00	TCAS (EICAS STATUS)	(continued)	
		31-69988	31-42 TASK 903
		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
		34-25201	34-11 TASK 804
		34-25202	34-11 TASK 805
		34-25203	34-11 TASK 806
		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
		34-28816	34-21 TASK 814
		34-28827	34-21 TASK 851
		34-28830	34-21 TASK 852
		34-28838	34-21 TASK 854
		34-29101	34-21 TASK 893
		34-29105	34-21 TASK 816
		34-29120	34-21 TASK 894
		34-29201	34-21 TASK 858
		34-29204	34-21 TASK 860
		34-29301	34-21 TASK 895
		34-29306	34-21 TASK 865
		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

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 012 00	TCAS (EICAS STATUS)	(continued)	
		34-38310	34-21 TASK 819
		34-38801	34-21 TASK 874
		34-38820	34-21 TASK 898
		34-39101	34-21 TASK 825
		34-39106	34-21 TASK 827
		34-39201	34-21 TASK 871
		34-39207	34-21 TASK 877
		34-39301	34-21 TASK 879
		34-39308	34-21 TASK 881
		34-42011	34-33 TASK 801
		34-42013	34-33 TASK 801
		34-42021	34-33 TASK 802
		34-42023	34-33 TASK 813
		34-42031	34-33 TASK 814
		34-42033	34-33 TASK 816
		34-42801	34-33 TASK 801
		34-42803	34-33 TASK 801
		34-42894	34-33 TASK 806
		34-42896	34-33 TASK 807
		34-45010	34-45 TASK 801
		34-45020	34-45 TASK 802
		34-45030	34-45 TASK 803
		34-45801	34-45 TASK 806
		34-45810	34-45 TASK 822
		34-45820	34-45 TASK 823
		34-45891	34-45 TASK 807
		34-45892	34-45 TASK 808
		34-48011	34-53 TASK 801
		34-48012	34-53 TASK 802
		34-48020	34-53 TASK 803
		34-48021	34-53 TASK 804
		34-48022	34-53 TASK 805
		34-48030	34-53 TASK 806
		34-48031	34-53 TASK 807
		34-48032	34-53 TASK 808

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 012 00	TCAS (EICAS STATUS)	(continued)	
		34-48801	34-53 TASK 809
		34-48802	34-53 TASK 810
		34-48803	34-53 TASK 811
		34-48891	34-53 TASK 812
		34-48894	34-53 TASK 833
		34-49931	34-45 TASK 819
		34-49932	34-45 TASK 820
		34-49940	34-45 TASK 813
		34-49943	34-45 TASK 814
		34-49988	34-53 TASK 821
		34-49989	34-53 TASK 822
		34-49991	34-53 TASK 823
		34-49992	34-53 TASK 824
		34-49994	34-53 TASK 825
		34-49995	34-53 TASK 826
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
		34-71060	34-90 TASK 801
344 031 00	GND PROX SYS (EICAS ADVISORY)	24-11784	24-51 TASK 836
		24-12126	24-51 TASK 841
		24-13817	24-33 TASK 818
		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

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 031 00	GND PROX SYS (EICAS ADVISORY)	(continued)	
		31-51573	31-61 TASK 803
		31-51574	31-61 TASK 804
		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
		31-52501	31-43 TASK 809
		31-52502	31-43 TASK 810
		31-53701	31-41 TASK 832
		31-53702	31-41 TASK 833
		31-53711	31-41 TASK 832
		31-53712	31-41 TASK 833
		31-68801	31-43 TASK 892
		31-68802	31-43 TASK 893
		31-68891	31-43 TASK 876
		31-68906	31-43 TASK 890
		31-69965	31-42 TASK 897
		31-69966	31-42 TASK 897
		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
		31-82011	31-61 TASK 814
		31-82012	31-61 TASK 831
		31-82041	31-61 TASK 807
		31-82042	31-61 TASK 808

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 031 00	GND PROX SYS (EICAS ADVISORY)	(continued)	
		31-82051	31-61 TASK 805
		31-82052	31-61 TASK 806
		31-89133	31-61 TASK 963
		31-89134	31-61 TASK 963
		31-89135	31-61 TASK 963
		31-89136	31-61 TASK 963
		31-89143	31-61 TASK 963
		31-89144	31-61 TASK 963
		31-89146	31-61 TASK 963
		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
		34-42894	34-33 TASK 806
		34-42896	34-33 TASK 807
		34-46010	34-46 TASK 801
		34-46020	34-46 TASK 808
		34-46030	34-46 TASK 809
		34-46040	34-46 TASK 810
		34-46050	34-46 TASK 802
		34-46060	34-46 TASK 826
		34-46070	34-46 TASK 827
		34-46891	34-46 TASK 803
		34-49949	34-46 TASK 805
		34-49952	34-46 TASK 811
		34-49959	34-46 TASK 819
		34-49960	34-46 TASK 820

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 031 00	GND PROX SYS (EICAS ADVISORY)	(continued)	
		34-49967	34-46 TASK 807
		34-49968	34-46 TASK 825
		34-49970	34-46 TASK 816
		34-49972	34-46 TASK 818
		34-49973	34-46 TASK 815
		34-53011	34-31 TASK 846
		34-53013	34-31 TASK 848
		34-53201	34-58 TASK 823
		34-53202	34-58 TASK 824
		34-53301	34-58 TASK 825
		34-53302	34-58 TASK 826
		34-53801	34-31 TASK 855
		34-53803	34-31 TASK 857
		34-53894	34-31 TASK 858
344 032 00	GND PROX SYS (EICAS STATUS)	21-16205	21-25 TASK 823
		23-81001	23-91 TASK 801
		23-81004	23-91 TASK 804
		23-81006	23-91 TASK 806
		24-11784	24-51 TASK 836
		24-11790	24-08 TASK 833
		24-11793	24-08 TASK 834
		24-11795	24-08 TASK 804
		24-11796	24-08 TASK 804
		24-12057	24-08 TASK 836
		24-12122	24-08 TASK 835
		24-12126	24-51 TASK 841
		24-12800	24-08 TASK 805
		24-12801	24-08 TASK 805
		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

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 032 00	GND PROX SYS (EICAS STATUS)	(continued)	
		27-15100	27-02 TASK 946
		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
		31-51531	31-44 TASK 837
		31-51533	31-44 TASK 839
		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
		31-51731	31-44 TASK 841
		31-51733	31-44 TASK 843
		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
		31-52501	31-43 TASK 809
		31-52502	31-43 TASK 810
		31-53401	31-41 TASK 832
		31-53402	31-41 TASK 833

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 032 00	GND PROX SYS (EICAS STATUS)	(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
		31-54013	31-43 TASK 868
		31-54014	31-43 TASK 869
		31-54121	31-41 TASK 838
		31-55401	31-41 TASK 840
		31-55402	31-41 TASK 841
		31-56013	31-43 TASK 870
		31-56111	31-41 TASK 846
		31-58013	31-43 TASK 872
		31-58101	31-41 TASK 852
		31-58121	31-41 TASK 856
		31-61011	31-43 TASK 861
		31-61020	31-43 TASK 863
		31-61071	31-43 TASK 841
		31-68801	31-43 TASK 892
		31-68802	31-43 TASK 893
		31-68811	31-42 TASK 908
		31-68891	31-43 TASK 876
		31-68906	31-43 TASK 890
		31-69101	31-42 TASK 801
		31-69401	31-42 TASK 825
		31-69496	31-42 TASK 915
		31-69601	31-42 TASK 857
		31-69965	31-42 TASK 897
		31-69966	31-42 TASK 897
		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

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 032 00	GND PROX SYS (EICAS STATUS)	(continued)	
		31-82041	31-61 TASK 807
		31-82042	31-61 TASK 808
		31-89417	31-42 TASK 915
		31-89617	31-42 TASK 916
		31-89619	31-42 TASK 916
		34-25800	34-21 TASK 809
		34-26101	34-21 TASK 810
		34-26201	34-21 TASK 843
		34-28813	34-21 TASK 813
		34-28816	34-21 TASK 814
		34-29102	34-21 TASK 815
		34-29105	34-21 TASK 816
		34-29107	34-21 TASK 817
		34-29120	34-21 TASK 894
		34-32803	34-21 TASK 822
		34-33800	34-21 TASK 886
		34-36800	34-21 TASK 890
		34-39101	34-21 TASK 825
		34-39111	34-21 TASK 828
		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
		34-42894	34-33 TASK 806
		34-42896	34-33 TASK 807
		34-46010	34-46 TASK 801
		34-46020	34-46 TASK 808

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 032 00	GND PROX SYS (EICAS STATUS)	(continued)	
		34-46030	34-46 TASK 809
		34-46040	34-46 TASK 810
		34-46050	34-46 TASK 802
		34-46060	34-46 TASK 826
		34-46070	34-46 TASK 827
		34-46891	34-46 TASK 803
		34-49949	34-46 TASK 805
		34-49952	34-46 TASK 811
		34-49959	34-46 TASK 819
		34-49960	34-46 TASK 820
		34-49967	34-46 TASK 807
		34-49968	34-46 TASK 825
		34-49970	34-46 TASK 816
		34-49972	34-46 TASK 818
		34-49973	34-46 TASK 815
		34-53011	34-31 TASK 846
		34-53013	34-31 TASK 848
		34-53201	34-58 TASK 823
		34-53202	34-58 TASK 824
		34-53301	34-58 TASK 825
		34-53302	34-58 TASK 826
		34-53801	34-31 TASK 855
		34-53803	34-31 TASK 857
		34-53894	34-31 TASK 858
344 033 00	WINDSHEAR PRED (EICAS STATUS)	21-16205	21-25 TASK 823
		23-81001	23-91 TASK 801
		23-81002	23-91 TASK 802
		23-81003	23-91 TASK 803
		23-81004	23-91 TASK 804
		23-81006	23-91 TASK 806
		24-11784	24-51 TASK 836
		24-11790	24-08 TASK 833
		24-11793	24-08 TASK 834
		24-11795	24-08 TASK 804
		24-11796	24-08 TASK 804

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 033 00	WINDSHEAR PRED (EICAS STATUS)	(continued)	
		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
		24-18801	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
		27-14018	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
		27-15100	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

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 033 00	WINDSHEAR PRED (EICAS STATUS)	(continued)	
		30-36123	30-31 TASK 803
		30-36641	30-31 TASK 807
		30-36642	30-31 TASK 808
		30-36643	30-31 TASK 809
		31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802
		31-50091	31-44 TASK 819
		31-50092	31-44 TASK 820
		31-51014	31-44 TASK 864
		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
		31-51142	31-44 TASK 828
		31-51144	31-44 TASK 832
		31-51342	31-44 TASK 834
		31-51344	31-44 TASK 836
		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
		31-51561	31-61 TASK 940
		31-51562	31-61 TASK 802

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 033 00	WINDSHEAR PRED (EICAS STATUS)	(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
		31-51731	31-44 TASK 841
		31-51732	31-44 TASK 842
		31-51733	31-44 TASK 843
		31-51734	31-44 TASK 844
		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
		31-52112	31-41 TASK 820
		31-52531	31-43 TASK 813
		31-52532	31-43 TASK 814
		31-52541	31-43 TASK 815
		31-52542	31-43 TASK 816
		31-52581	31-43 TASK 855
		31-52582	31-43 TASK 855
		31-52591	31-43 TASK 855
		31-52592	31-43 TASK 855
		31-53401	31-41 TASK 832
		31-53402	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

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 033 00	WINDSHEAR PRED (EICAS STATUS)	(continued)	
		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
		31-54501	31-43 TASK 854
		31-54502	31-43 TASK 854
		31-54512	31-43 TASK 854
		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
		31-56013	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
		31-56501	31-43 TASK 854
		31-56502	31-43 TASK 854
		31-56531	31-43 TASK 824
		31-56532	31-43 TASK 825
		31-56581	31-43 TASK 855
		31-56582	31-43 TASK 855
		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

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 033 00	WINDSHEAR PRED (EICAS STATUS)	(continued)	
		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
		31-58511	31-43 TASK 854
		31-59701	31-41 TASK 858
		31-59711	31-41 TASK 858
		31-61011	31-43 TASK 861
		31-61012	31-43 TASK 862
		31-61020	31-43 TASK 863
		31-61071	31-43 TASK 841
		31-61072	31-43 TASK 842
		31-62012	31-43 TASK 844
		31-62020	31-43 TASK 845
		31-62072	31-43 TASK 851
		31-68801	31-43 TASK 892
		31-68802	31-43 TASK 893
		31-68811	31-42 TASK 908
		31-68832	31-42 TASK 908
		31-68893	31-43 TASK 877
		31-68894	31-43 TASK 878
		31-68895	31-43 TASK 879
		31-68896	31-43 TASK 880
		31-68897	31-43 TASK 881
		31-68898	31-43 TASK 882
		31-69101	31-42 TASK 801
		31-69102	31-42 TASK 801
		31-69117	31-42 TASK 806
		31-69118	31-42 TASK 806
		31-69202	31-42 TASK 809
		31-69220	31-42 TASK 814
		31-69301	31-42 TASK 817
		31-69302	31-42 TASK 817
		31-69317	31-42 TASK 822

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344 033 00	WINDSHEAR PRED (EICAS STATUS)	(continued)	
		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
		31-69601	31-42 TASK 857
		31-69602	31-42 TASK 857
		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
		31-89417	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
		34-25800	34-21 TASK 809
		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

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344 033 00	WINDSHEAR PRED (EICAS STATUS)	(continued)	
		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
		34-30760	34-21 TASK 819
		34-32803	34-21 TASK 822
		34-33800	34-21 TASK 886
		34-36800	34-21 TASK 890
		34-38310	34-21 TASK 819
		34-38801	34-21 TASK 874

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 033 00	WINDSHEAR PRED (EICAS STATUS)	(continued)	
		34-38820	34-21 TASK 898
		34-39101	34-21 TASK 825
		34-39103	34-21 TASK 826
		34-39106	34-21 TASK 827
		34-39201	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
		34-42011	34-33 TASK 801
		34-42013	34-33 TASK 801
		34-42021	34-33 TASK 802
		34-42023	34-33 TASK 813
		34-42031	34-33 TASK 814
		34-42033	34-33 TASK 816
		34-42801	34-33 TASK 801
		34-42803	34-33 TASK 801
		34-42894	34-33 TASK 806
		34-42896	34-33 TASK 807
		34-44031	34-43 TASK 821
		34-44032	34-43 TASK 822
		34-49925	34-43 TASK 814
		34-49926	34-43 TASK 815
		34-49928	34-43 TASK 816
		34-49929	34-43 TASK 817
		34-50003	34-43 TASK 847
		34-50004	34-43 TASK 848
		34-50005	34-43 TASK 849
		34-50006	34-43 TASK 850
		34-50007	34-43 TASK 851
		34-50008	34-43 TASK 852
		34-50009	34-43 TASK 853
		34-50010	34-43 TASK 854
		34-50011	34-43 TASK 855

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 033 00	WINDSHEAR PRED (EICAS STATUS)	(continued)	
		34-50012	34-43 TASK 856
		34-50013	34-43 TASK 857
		34-50014	34-43 TASK 858
		34-50015	34-43 TASK 859
		34-50016	34-43 TASK 860
		34-50017	34-43 TASK 861
		34-50018	34-43 TASK 862
		34-50019	34-43 TASK 863
		34-50020	34-43 TASK 864
		34-50021	34-43 TASK 865
		34-50022	34-43 TASK 866
		34-50023	34-43 TASK 867
		34-50024	34-43 TASK 868
		34-50025	34-43 TASK 869
		34-50026	34-43 TASK 870
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
		34-71060	34-90 TASK 801
		NONE	34-43 TASK 843
344 034 00	TERR SYS (EICAS STATUS) Before you do any task listed here, see FIM 34-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.	24-11784	24-51 TASK 836
		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

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 034 00	TERR SYS (EICAS STATUS) Before you do any task listed here, see FIM 34-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.	(continued)	
		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
		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
		31-52501	31-43 TASK 809
		31-52502	31-43 TASK 810
		31-53701	31-41 TASK 832
		31-53702	31-41 TASK 833
		31-53711	31-41 TASK 832
		31-53712	31-41 TASK 833
		31-68801	31-43 TASK 892
		31-68802	31-43 TASK 893
		31-68891	31-43 TASK 876
		31-68906	31-43 TASK 890
		31-69965	31-42 TASK 897
		31-69966	31-42 TASK 897
		31-80020	31-61 TASK 829
		31-81011	31-61 TASK 811
		31-81012	31-61 TASK 812
		31-81041	31-61 TASK 803

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 034 00	TERR SYS (EICAS STATUS) Before you do any task listed here, see FIM 34-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.	(continued)	
		31-81042	31-61 TASK 804
		31-81051	31-61 TASK 940
		31-81052	31-61 TASK 802
		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
		31-89133	31-61 TASK 963
		31-89134	31-61 TASK 963
		31-89135	31-61 TASK 963
		31-89136	31-61 TASK 963
		31-89143	31-61 TASK 963
		31-89144	31-61 TASK 963
		31-89146	31-61 TASK 963
		34-46050	34-46 TASK 802
		34-46060	34-46 TASK 826
		34-46070	34-46 TASK 827
		34-46891	34-46 TASK 803
		34-49949	34-46 TASK 805
		34-49952	34-46 TASK 811
		34-49959	34-46 TASK 819
		34-49960	34-46 TASK 820
		34-53011	34-31 TASK 846
		34-53013	34-31 TASK 848
		34-53201	34-58 TASK 823
		34-53202	34-58 TASK 824
		34-53301	34-58 TASK 825
		34-53302	34-58 TASK 826
		34-53801	34-31 TASK 855

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 034 00	TERR SYS (EICAS STATUS) Before you do any task listed here, see FIM 34-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.	(continued) 34-53803	 34-31 TASK 857
344 035 00	TERR OVRD (EICAS ADVISORY)		34-46 TASK 832
344 036 00	TERR POS (EICAS ADVISORY)	34-49959 34-49960 34-53011 34-53013 34-53201 34-53202 34-53301 34-53302 34-53801 34-53803	34-46 TASK 819 34-46 TASK 820 34-31 TASK 846 34-31 TASK 848 34-58 TASK 823 34-58 TASK 824 34-58 TASK 825 34-58 TASK 826 34-31 TASK 855 34-31 TASK 857
344 041 00	ALTITUDE CALLOUTS (EICAS ADVISORY)	34-46040	34-46 TASK 810
344 051 00	RUNWAY SYS (EICAS ADVISORY)	34-46080 34-46081 34-46082	34-46 TASK 834 34-46 TASK 837 34-46 TASK 833
344 052 00	RUNWAY OVRD (EICAS ADVISORY)		Reference Not Currently Available
344 053 00	RUNWAY POS (EICAS ADVISORY)		34-46 TASK 835
344 301 31	MAP flag shows on ND - captain's.	23-81001 23-81003 23-81004 23-81006 24-11787 24-12056 24-13815 31-50011 31-50012 31-50091 31-50092 31-51023 31-51024	23-91 TASK 801 23-91 TASK 803 23-91 TASK 804 23-91 TASK 806 24-32 TASK 817 24-32 TASK 820 24-61 TASK 806 31-44 TASK 801 31-44 TASK 802 31-44 TASK 819 31-44 TASK 820 31-44 TASK 865 31-44 TASK 866

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 301 31	MAP flag shows on ND - captain's.	(continued)	
		31-51025	31-43 TASK 803
		31-51026	31-43 TASK 804
		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
		31-54013	31-43 TASK 868
		31-54014	31-43 TASK 869
		31-54101	31-41 TASK 834
		31-54121	31-41 TASK 838
		31-54122	31-41 TASK 839
		31-58013	31-43 TASK 872
		31-58014	31-43 TASK 873
		31-58102	31-41 TASK 853
		31-58121	31-41 TASK 856
		31-58122	31-41 TASK 857
		31-68801	31-43 TASK 892
		31-68802	31-43 TASK 893
		31-69101	31-42 TASK 801
		31-69102	31-42 TASK 801
		31-69117	31-42 TASK 806
		31-69118	31-42 TASK 806
		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
		31-69455	31-42 TASK 846
		31-69456	31-42 TASK 846
		31-69457	31-42 TASK 846

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 301 31	MAP flag shows on ND - captain's.	(continued)	
		31-69458	31-42 TASK 846
		31-69459	31-42 TASK 846
		31-69460	31-42 TASK 846
		31-69601	31-42 TASK 857
		31-69602	31-42 TASK 857
		31-69655	31-42 TASK 873
		31-69656	31-42 TASK 873
		31-69657	31-42 TASK 873
		31-69658	31-42 TASK 873
		31-69659	31-42 TASK 873
		31-69660	31-42 TASK 873
		31-83171	31-61 TASK 874
		31-83172	31-61 TASK 875
		31-83173	31-61 TASK 876
		31-83174	31-61 TASK 877
		31-83181	31-61 TASK 917
		31-83182	31-61 TASK 918
		31-83183	31-61 TASK 919
		31-83184	31-61 TASK 920
		31-85217	31-98 TASK 801
		31-85219	31-98 TASK 801
		31-85221	31-98 TASK 801
		34-28801	34-21 TASK 848
		34-28810	34-21 TASK 849
		34-28830	34-21 TASK 852
		34-29101	34-21 TASK 893
		34-29301	34-21 TASK 895
		34-61031	34-61 TASK 917
		34-61032	34-61 TASK 918
		34-61033	34-61 TASK 919
		34-61041	34-61 TASK 847
		34-61042	34-61 TASK 848
		34-61043	34-61 TASK 849
		34-68801	34-61 TASK 819
		34-68802	34-61 TASK 819

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 301 31	MAP flag shows on ND - captain's.	(continued)	
		34-68803	34-61 TASK 819
		34-68841	34-61 TASK 917
		34-68842	34-61 TASK 919
		34-68843	34-61 TASK 918
		34-68861	34-61 TASK 820
		34-68862	34-61 TASK 821
		34-68863	34-61 TASK 822
		34-69401	34-61 TASK 917
		34-69402	34-61 TASK 918
		34-69403	34-61 TASK 919
		34-69601	34-61 TASK 847
		34-69602	34-61 TASK 848
		34-69603	34-61 TASK 849
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
		34-71031	34-61 TASK 815
		34-71032	34-61 TASK 889
		34-71060	34-90 TASK 801
344 301 32	MAP flag shows on ND - first officer's.	23-81001	23-91 TASK 801
		23-81003	23-91 TASK 803
		23-81004	23-91 TASK 804
		23-81006	23-91 TASK 806
		24-11787	24-32 TASK 817
		24-12056	24-32 TASK 820
		24-13815	24-61 TASK 806
		31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802
		31-50091	31-44 TASK 819
		31-50092	31-44 TASK 820
		31-51023	31-44 TASK 865
		31-51024	31-44 TASK 866
		31-51025	31-43 TASK 803
		31-51026	31-43 TASK 804
		31-51411	34-61 TASK 913
		31-51412	34-61 TASK 914

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 301 32	MAP flag shows on ND - first officer's.	(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
		31-54013	31-43 TASK 868
		31-54014	31-43 TASK 869
		31-54101	31-41 TASK 834
		31-54121	31-41 TASK 838
		31-54122	31-41 TASK 839
		31-58013	31-43 TASK 872
		31-58014	31-43 TASK 873
		31-58102	31-41 TASK 853
		31-58121	31-41 TASK 856
		31-58122	31-41 TASK 857
		31-68801	31-43 TASK 892
		31-68802	31-43 TASK 893
		31-69101	31-42 TASK 801
		31-69102	31-42 TASK 801
		31-69117	31-42 TASK 806
		31-69118	31-42 TASK 806
		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
		31-69455	31-42 TASK 846
		31-69456	31-42 TASK 846
		31-69457	31-42 TASK 846
		31-69458	31-42 TASK 846
		31-69459	31-42 TASK 846
		31-69460	31-42 TASK 846
		31-69601	31-42 TASK 857

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 301 32	MAP flag shows on ND - first officer's.	(continued)	
		31-69602	31-42 TASK 857
		31-69655	31-42 TASK 873
		31-69656	31-42 TASK 873
		31-69657	31-42 TASK 873
		31-69658	31-42 TASK 873
		31-69659	31-42 TASK 873
		31-69660	31-42 TASK 873
		31-83171	31-61 TASK 874
		31-83172	31-61 TASK 875
		31-83173	31-61 TASK 876
		31-83174	31-61 TASK 877
		31-83181	31-61 TASK 917
		31-83182	31-61 TASK 918
		31-83183	31-61 TASK 919
		31-83184	31-61 TASK 920
		31-85218	31-98 TASK 801
		31-85220	31-98 TASK 801
		31-85222	31-98 TASK 801
		34-28801	34-21 TASK 848
		34-28810	34-21 TASK 849
		34-28830	34-21 TASK 852
		34-29101	34-21 TASK 893
		34-29301	34-21 TASK 895
		34-61031	34-61 TASK 917
		34-61032	34-61 TASK 918
		34-61033	34-61 TASK 919
		34-61041	34-61 TASK 847
		34-61042	34-61 TASK 848
		34-61043	34-61 TASK 849
		34-68801	34-61 TASK 819
		34-68802	34-61 TASK 819
		34-68803	34-61 TASK 819
		34-68841	34-61 TASK 917
		34-68842	34-61 TASK 919
		34-68843	34-61 TASK 918

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 301 32	MAP flag shows on ND - first officer's.	(continued)	
		34-68861	34-61 TASK 820
		34-68862	34-61 TASK 821
		34-68863	34-61 TASK 822
		34-69401	34-61 TASK 917
		34-69402	34-61 TASK 918
		34-69403	34-61 TASK 919
		34-69601	34-61 TASK 847
		34-69602	34-61 TASK 848
		34-69603	34-61 TASK 849
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
		34-71031	34-61 TASK 815
		34-71032	34-61 TASK 889
		34-71060	34-90 TASK 801
344 302 31	MAP RANGE DISAGREE message shows on ND - captain's.	31-83521	31-61 TASK 878
344 302 32	MAP RANGE DISAGREE message shows on ND - first officer's.	31-83522	31-61 TASK 879
344 303 31	MAP/WXR RANGE DISAGREE message shows on ND - captain's.	31-83523	31-61 TASK 878
344 303 32	MAP/WXR RANGE DISAGREE message shows on ND - first officer's.	31-83524	31-61 TASK 879
344 304 31	WXR RANGE DISAGREE message shows on ND - captain's.	31-83525	31-61 TASK 878
344 304 32	WXR RANGE DISAGREE message shows on ND - first officer's.	31-83526	31-61 TASK 879
344 305 31	WXR flag shows on ND - captain's.	24-11784	24-51 TASK 836
		24-12127	24-51 TASK 842
		24-12128	24-51 TASK 843
		31-54013	31-43 TASK 868
		31-54014	31-43 TASK 869
		31-54281	31-41 TASK 916
		31-54282	31-41 TASK 917
		31-55711	31-41 TASK 840
		31-55712	31-41 TASK 841
		31-58013	31-43 TASK 872

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 305 31	WXR flag shows on ND - captain's.	(continued)	
		31-58014	31-43 TASK 873
		31-58251	31-41 TASK 921
		31-58252	31-41 TASK 922
		31-59701	31-41 TASK 858
		31-59702	31-41 TASK 859
		31-69995	31-42 TASK 906
		31-69996	31-42 TASK 906
		31-69997	31-42 TASK 906
		31-69998	31-42 TASK 906
		31-81051	31-61 TASK 940
		31-81052	31-61 TASK 802
		31-82051	31-61 TASK 805
		31-82052	31-61 TASK 806
		31-85235	31-98 TASK 801
		31-89113	31-61 TASK 839
		31-89114	31-61 TASK 840
		31-89115	31-61 TASK 841
		31-89116	31-61 TASK 842
		34-44891	34-43 TASK 818
		34-44892	34-43 TASK 819
344 305 32	WXR flag shows on ND - first officer's.	24-11784	24-51 TASK 836
		24-12127	24-51 TASK 842
		24-12128	24-51 TASK 843
		31-54013	31-43 TASK 868
		31-54014	31-43 TASK 869
		31-54281	31-41 TASK 916
		31-54282	31-41 TASK 917
		31-55711	31-41 TASK 840
		31-55712	31-41 TASK 841
		31-58013	31-43 TASK 872
		31-58014	31-43 TASK 873
		31-58251	31-41 TASK 921
		31-58252	31-41 TASK 922
		31-59701	31-41 TASK 858
		31-59702	31-41 TASK 859

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 305 32	WXR flag shows on ND - first officer's.	(continued)	
		31-69995	31-42 TASK 906
		31-69996	31-42 TASK 906
		31-69997	31-42 TASK 906
		31-69998	31-42 TASK 906
		31-81051	31-61 TASK 940
		31-81052	31-61 TASK 802
		31-82051	31-61 TASK 805
		31-82052	31-61 TASK 806
		31-85236	31-98 TASK 801
		31-89123	31-61 TASK 839
		31-89124	31-61 TASK 840
		31-89125	31-61 TASK 841
		31-89126	31-61 TASK 842
		34-44891	34-43 TASK 818
		34-44892	34-43 TASK 819
344 306 31	TERRAIN RANGE DISAGREE message shows on ND - captain's.		34-46 TASK 828
344 306 32	TERRAIN RANGE DISAGREE message shows on ND - first officer's.		34-46 TASK 829
344 307 31	MAP/TERRAIN RANGE DISAGREE message shows on ND - captain's.		34-46 TASK 830
344 307 32	MAP/TERRAIN RANGE DISAGREE message shows on ND - first officer's.		34-46 TASK 831
344 311 31	TCAS flag shows on ND - captain's.	24-11782	24-51 TASK 838
		24-11784	24-51 TASK 836
		24-11786	24-51 TASK 833
		24-12126	24-51 TASK 841
		24-13817	24-33 TASK 818
		31-54013	31-43 TASK 868
		31-54014	31-43 TASK 869
		31-54272	31-41 TASK 917
		31-54311	31-41 TASK 916
		31-55711	31-41 TASK 840
		31-55712	31-41 TASK 841
		31-69985	31-42 TASK 903
		31-69986	31-42 TASK 903

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 311 31	TCAS flag shows on ND - captain's.	(continued)	
		31-69987	31-42 TASK 903
		31-69988	31-42 TASK 903
		31-83527	31-51 TASK 948
		31-85223	31-98 TASK 801
		34-42011	34-33 TASK 801
		34-42013	34-33 TASK 801
		34-42021	34-33 TASK 802
		34-42023	34-33 TASK 813
		34-42031	34-33 TASK 814
		34-42033	34-33 TASK 816
		34-42801	34-33 TASK 801
		34-42803	34-33 TASK 801
		34-42894	34-33 TASK 806
		34-42896	34-33 TASK 807
		34-45010	34-45 TASK 801
		34-45020	34-45 TASK 802
		34-45030	34-45 TASK 803
		34-45801	34-45 TASK 806
		34-45810	34-45 TASK 822
		34-45820	34-45 TASK 823
		34-45891	34-45 TASK 807
		34-45892	34-45 TASK 808
		34-48011	34-53 TASK 801
		34-48012	34-53 TASK 802
		34-48020	34-53 TASK 803
		34-48021	34-53 TASK 804
		34-48022	34-53 TASK 805
		34-48030	34-53 TASK 806
		34-48031	34-53 TASK 807
		34-48032	34-53 TASK 808
		34-48801	34-53 TASK 809
		34-48802	34-53 TASK 810
		34-48891	34-53 TASK 812
		34-48894	34-53 TASK 833
		34-49931	34-45 TASK 819

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 311 31	TCAS flag shows on ND - captain's.	(continued)	
		34-49932	34-45 TASK 820
		34-49940	34-45 TASK 813
		34-49943	34-45 TASK 814
344 311 32	TCAS flag shows on ND - first officer's.	24-11782	24-51 TASK 838
		24-11784	24-51 TASK 836
		24-11786	24-51 TASK 833
		24-12126	24-51 TASK 841
		24-13817	24-33 TASK 818
		31-54013	31-43 TASK 868
		31-54014	31-43 TASK 869
		31-54272	31-41 TASK 917
		31-54311	31-41 TASK 916
		31-55711	31-41 TASK 840
		31-55712	31-41 TASK 841
		31-69985	31-42 TASK 903
		31-69986	31-42 TASK 903
		31-69987	31-42 TASK 903
		31-69988	31-42 TASK 903
		31-83528	31-51 TASK 948
		31-85224	31-98 TASK 801
		34-42011	34-33 TASK 801
		34-42013	34-33 TASK 801
		34-42021	34-33 TASK 802
		34-42023	34-33 TASK 813
		34-42031	34-33 TASK 814
		34-42033	34-33 TASK 816
		34-42801	34-33 TASK 801
		34-42803	34-33 TASK 801
		34-42894	34-33 TASK 806
		34-42896	34-33 TASK 807
		34-45010	34-45 TASK 801
		34-45020	34-45 TASK 802
		34-45030	34-45 TASK 803
		34-45801	34-45 TASK 806
		34-45810	34-45 TASK 822

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
344 311 32	TCAS flag shows on ND - first officer's.	(continued)	
		34-45820	34-45 TASK 823
		34-45891	34-45 TASK 807
		34-45892	34-45 TASK 808
		34-48011	34-53 TASK 801
		34-48012	34-53 TASK 802
		34-48020	34-53 TASK 803
		34-48021	34-53 TASK 804
		34-48022	34-53 TASK 805
		34-48030	34-53 TASK 806
		34-48031	34-53 TASK 807
		34-48032	34-53 TASK 808
		34-48801	34-53 TASK 809
		34-48802	34-53 TASK 810
		34-48891	34-53 TASK 812
		34-48894	34-53 TASK 833
		34-49931	34-45 TASK 819
		34-49932	34-45 TASK 820
		34-49940	34-45 TASK 813
		34-49943	34-45 TASK 814
344 611 31	Weather radar display on ND: Blank with no related message on display - captain's.		34-43 TASK 823
344 611 32	Weather radar display on ND: Blank with no related message on display - first officer's.		34-43 TASK 824
344 612 31	Weather radar display on ND: weak or has incorrect colors with no related message on display - captain's.		34-43 TASK 825
344 612 32	Weather radar display on ND: weak or has incorrect colors with no related message on display - first officer's.		34-43 TASK 826
344 613 00	Weather radar: does not show returns.		34-43 TASK 827
344 614 00	Weather radar: gain control problem.		34-43 TASK 828
344 615 00	Weather radar: GRD RTN mode does not operate.		34-43 TASK 829
344 641 31	TCAS display on PFD/ND: blank - captain's.		34-45 TASK 818
344 641 32	TCAS display on PFD/ND: blank - first officer's.		34-45 TASK 815

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344 642 00	TCAS voice annunciation problem; TCAS indication on PFD/ND normal.		34-45 TASK 816
344 643 00	TCAS intruder symbol: Stays directly in front of airplane symbol on ND.		34-45 TASK 821
344 644 00	TCAS resolution advisory occurs with no other airplane in conflict airspace.		34-45 TASK 828
345 001 41	VOR L (EICAS STATUS)	24-13815	24-61 TASK 806
		24-13817	24-33 TASK 818
		31-68802	31-43 TASK 893
		31-68902	31-43 TASK 886
		31-69991	31-42 TASK 905
		31-69992	31-42 TASK 905
		34-47011	34-51 TASK 801
		34-47021	34-32 TASK 801
		34-47031	34-51 TASK 803
		34-47041	34-51 TASK 813
		34-47801	34-51 TASK 805
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68801	34-61 TASK 819
345 001 42	VOR R (EICAS STATUS)	34-68891	34-61 TASK 801
		24-12056	24-32 TASK 820
		24-12126	24-51 TASK 841
		31-68802	31-43 TASK 893
		31-68904	31-43 TASK 888
		31-69993	31-42 TASK 905
		31-69994	31-42 TASK 905
		34-47013	34-51 TASK 802
		34-47033	34-51 TASK 804
		34-47043	34-51 TASK 814
		34-47802	34-51 TASK 806
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68802	34-61 TASK 819
		34-68892	34-61 TASK 823

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 011 41	DME L (EICAS STATUS)	24-11784	24-51 TASK 836
		31-69957	31-42 TASK 895
		31-69958	31-42 TASK 895
		34-49011	34-55 TASK 801
		34-49801	34-55 TASK 803
345 011 42	DME R (EICAS STATUS)	24-12126	24-51 TASK 841
		31-69959	31-42 TASK 895
		31-69960	31-42 TASK 895
		34-49013	34-55 TASK 802
		34-49802	34-55 TASK 804
345 021 41	ADF L (EICAS STATUS)	24-11784	24-51 TASK 836
		24-13815	24-61 TASK 806
		31-68802	31-43 TASK 893
		31-68902	31-43 TASK 886
		31-69945	31-42 TASK 892
		31-69946	31-42 TASK 892
		34-51011	34-57 TASK 801
		34-51021	34-57 TASK 802
		34-51031	34-57 TASK 807
		34-51041	34-57 TASK 809
		34-51801	34-57 TASK 801
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68801	34-61 TASK 819
		34-68891	34-61 TASK 801
345 021 42	ADF R (EICAS STATUS)	24-12056	24-32 TASK 820
		24-12126	24-51 TASK 841
		31-68802	31-43 TASK 893
		31-68904	31-43 TASK 888
		31-69947	31-42 TASK 892
		31-69948	31-42 TASK 892
		34-51013	34-57 TASK 806
		34-51023	34-57 TASK 803
		34-51033	34-57 TASK 808
		34-51043	34-57 TASK 810

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 021 42	ADF R (EICAS STATUS)	(continued)	
		34-51802	34-57 TASK 806
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68802	34-61 TASK 819
		34-68892	34-61 TASK 823
345 031 00	GPS (EICAS ADVISORY)	24-11787	24-32 TASK 817
		24-12056	24-32 TASK 820
		31-69861	31-42 TASK 912
		31-69862	31-42 TASK 912
		31-69863	31-42 TASK 912
		31-69864	31-42 TASK 912
		34-53011	34-31 TASK 846
		34-53013	34-31 TASK 848
		34-53201	34-58 TASK 823
		34-53202	34-58 TASK 824
		34-53301	34-58 TASK 825
		34-53302	34-58 TASK 826
		34-53801	34-31 TASK 855
345 031 41	GPS L (EICAS STATUS)	24-11787	24-32 TASK 817
		31-69861	31-42 TASK 912
		31-69862	31-42 TASK 912
		34-53011	34-31 TASK 846
		34-53201	34-58 TASK 823
		34-53301	34-58 TASK 825
		34-53801	34-31 TASK 855
		NONE	34-58 TASK 827
345 031 42	GPS R (EICAS STATUS)	24-12056	24-32 TASK 820
		31-69863	31-42 TASK 912
		31-69864	31-42 TASK 912
		34-53013	34-31 TASK 848
		34-53202	34-58 TASK 824
		34-53302	34-58 TASK 826
		NONE	34-58 TASK 827

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 041 41	TRANSPONDER L (EICAS ADVISORY)	23-81001	23-91 TASK 801
		23-81002	23-91 TASK 802
		23-81003	23-91 TASK 803
		24-13817	24-33 TASK 818
		27-15100	27-02 TASK 946
		27-15101	27-02 TASK 947
		27-15102	27-02 TASK 948
		31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802
		31-50091	31-44 TASK 819
		31-50092	31-44 TASK 820
		31-51014	31-44 TASK 864
		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
		31-51142	31-44 TASK 828
		31-51144	31-44 TASK 832
		31-51342	31-44 TASK 834
		31-51344	31-44 TASK 836
		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
		31-51533	31-44 TASK 839
		31-51561	31-61 TASK 940
		31-51562	31-61 TASK 802

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 041 41	TRANSPONDER L (EICAS ADVISORY)	(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
		31-51731	31-44 TASK 841
		31-51733	31-44 TASK 843
		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
		31-52112	31-41 TASK 820
		31-52541	31-43 TASK 815
		31-52542	31-43 TASK 816
		31-52591	31-43 TASK 855
		31-52592	31-43 TASK 855
		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
		31-54101	31-41 TASK 834
		31-54102	31-41 TASK 835
		31-56013	31-43 TASK 870
		31-56014	31-43 TASK 871
		31-56102	31-41 TASK 845
		31-56104	31-45 TASK 811

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 041 41	TRANSPONDER L (EICAS ADVISORY)	(continued)	
		31-56111	31-41 TASK 846
		31-56501	31-43 TASK 854
		31-56502	31-43 TASK 854
		31-57701	31-41 TASK 842
		31-57702	31-41 TASK 843
		31-57711	31-41 TASK 842
		31-57712	31-41 TASK 843
		31-58013	31-43 TASK 872
		31-58014	31-43 TASK 873
		31-58101	31-41 TASK 852
		31-58232	31-41 TASK 922
		31-58281	31-41 TASK 921
		31-59702	31-41 TASK 859
		31-59711	31-41 TASK 858
		31-61011	31-43 TASK 861
		31-61020	31-43 TASK 863
		31-61071	31-43 TASK 841
		31-62012	31-43 TASK 844
		31-62020	31-43 TASK 845
		31-62072	31-43 TASK 851
		31-68801	31-43 TASK 892
		31-68802	31-43 TASK 893
		31-68895	31-43 TASK 879
		31-68896	31-43 TASK 880
		31-69101	31-42 TASK 801
		31-69117	31-42 TASK 806
		31-69202	31-42 TASK 809
		31-69220	31-42 TASK 814
		31-69301	31-42 TASK 817
		31-69302	31-42 TASK 817
		31-69317	31-42 TASK 822
		31-69953	31-42 TASK 894
		31-69954	31-42 TASK 894
		31-80020	31-61 TASK 829
		31-81011	31-61 TASK 811

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 041 41	TRANSPONDER L (EICAS ADVISORY)	(continued)	
		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
		34-25201	34-11 TASK 804
		34-25202	34-11 TASK 805
		34-25203	34-11 TASK 806
		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
		34-28816	34-21 TASK 814
		34-28827	34-21 TASK 851
		34-28830	34-21 TASK 852
		34-28838	34-21 TASK 854
		34-29101	34-21 TASK 893
		34-29105	34-21 TASK 816
		34-29120	34-21 TASK 894
		34-29201	34-21 TASK 858
		34-29204	34-21 TASK 860
		34-29301	34-21 TASK 895
		34-29306	34-21 TASK 865
		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
		34-38310	34-21 TASK 819
		34-38801	34-21 TASK 874
		34-38820	34-21 TASK 898

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345 041 41	TRANSPONDER L (EICAS ADVISORY)	(continued)	
		34-39101	34-21 TASK 825
		34-39106	34-21 TASK 827
		34-39201	34-21 TASK 871
		34-39207	34-21 TASK 877
		34-39301	34-21 TASK 879
		34-39308	34-21 TASK 881
		34-48011	34-53 TASK 801
		34-48020	34-53 TASK 803
		34-48021	34-53 TASK 804
		34-48030	34-53 TASK 806
		34-48031	34-53 TASK 807
		34-48801	34-53 TASK 809
		34-48803	34-53 TASK 811
		34-48893	34-53 TASK 814
		34-49988	34-53 TASK 821
		34-49991	34-53 TASK 823
		34-49994	34-53 TASK 825
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
		34-71060	34-90 TASK 801
345 041 42	TRANSPONDER R (EICAS ADVISORY)	23-81001	23-91 TASK 801
		23-81002	23-91 TASK 802
		23-81003	23-91 TASK 803
		24-12126	24-51 TASK 841
		27-15100	27-02 TASK 946
		27-15101	27-02 TASK 947
		27-15102	27-02 TASK 948
		31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802
		31-50091	31-44 TASK 819
		31-50092	31-44 TASK 820
		31-51014	31-44 TASK 864
		31-51023	31-44 TASK 865
		31-51024	31-44 TASK 866
		31-51025	31-43 TASK 803

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345 041 42	TRANSPONDER R (EICAS ADVISORY)	(continued)	
		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
		31-51142	31-44 TASK 828
		31-51144	31-44 TASK 832
		31-51342	31-44 TASK 834
		31-51344	31-44 TASK 836
		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
		31-51533	31-44 TASK 839
		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
		31-51731	31-44 TASK 841
		31-51733	31-44 TASK 843
		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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345 041 42	TRANSPONDER R (EICAS ADVISORY)	(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
		31-52112	31-41 TASK 820
		31-52541	31-43 TASK 815
		31-52542	31-43 TASK 816
		31-52591	31-43 TASK 855
		31-52592	31-43 TASK 855
		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
		31-54101	31-41 TASK 834
		31-54102	31-41 TASK 835
		31-54201	31-41 TASK 916
		31-54202	31-41 TASK 917
		31-55701	31-41 TASK 840
		31-55702	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
		31-56501	31-43 TASK 854
		31-56502	31-43 TASK 854
		31-57701	31-41 TASK 842
		31-57702	31-41 TASK 843
		31-57711	31-41 TASK 842
		31-57712	31-41 TASK 843
		31-58013	31-43 TASK 872
		31-58101	31-41 TASK 852
		31-61011	31-43 TASK 861

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345 041 42	TRANSPONDER R (EICAS ADVISORY)	(continued)	
		31-61020	31-43 TASK 863
		31-61071	31-43 TASK 841
		31-62012	31-43 TASK 844
		31-62020	31-43 TASK 845
		31-62072	31-43 TASK 851
		31-68801	31-43 TASK 892
		31-68802	31-43 TASK 893
		31-68895	31-43 TASK 879
		31-68896	31-43 TASK 880
		31-69101	31-42 TASK 801
		31-69117	31-42 TASK 806
		31-69202	31-42 TASK 809
		31-69220	31-42 TASK 814
		31-69301	31-42 TASK 817
		31-69302	31-42 TASK 817
		31-69317	31-42 TASK 822
		31-69955	31-42 TASK 894
		31-69956	31-42 TASK 894
		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
		34-25201	34-11 TASK 804
		34-25202	34-11 TASK 805
		34-25203	34-11 TASK 806
		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

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 041 42	TRANSPONDER R (EICAS ADVISORY)	(continued)	
		34-28816	34-21 TASK 814
		34-28827	34-21 TASK 851
		34-28830	34-21 TASK 852
		34-28838	34-21 TASK 854
		34-29101	34-21 TASK 893
		34-29105	34-21 TASK 816
		34-29120	34-21 TASK 894
		34-29201	34-21 TASK 858
		34-29204	34-21 TASK 860
		34-29301	34-21 TASK 895
		34-29306	34-21 TASK 865
		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
		34-38310	34-21 TASK 819
		34-38801	34-21 TASK 874
		34-38820	34-21 TASK 898
		34-39101	34-21 TASK 825
		34-39106	34-21 TASK 827
		34-39201	34-21 TASK 871
		34-39207	34-21 TASK 877
		34-39301	34-21 TASK 879
		34-39308	34-21 TASK 881
		34-48012	34-53 TASK 802
		34-48020	34-53 TASK 803
		34-48022	34-53 TASK 805
		34-48030	34-53 TASK 806
		34-48032	34-53 TASK 808
		34-48802	34-53 TASK 810
		34-48803	34-53 TASK 811
		34-48892	34-53 TASK 813
		34-49989	34-53 TASK 822

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 041 42	TRANSPONDER R (EICAS ADVISORY)	(continued)	
		34-49992	34-53 TASK 824
		34-49995	34-53 TASK 826
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
		34-71060	34-90 TASK 801
345 042 41	TRANSPONDER L (EICAS STATUS) Before you do any task listed here, see FIM 34-53 TASK 836.	23-81001	23-91 TASK 801
		23-81002	23-91 TASK 802
		23-81003	23-91 TASK 803
		24-13817	24-33 TASK 818
		27-15100	27-02 TASK 946
		27-15101	27-02 TASK 947
		27-15102	27-02 TASK 948
		31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802
		31-50091	31-44 TASK 819
		31-50092	31-44 TASK 820
		31-51014	31-44 TASK 864
		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
		31-51142	31-44 TASK 828
		31-51144	31-44 TASK 832
		31-51342	31-44 TASK 834
		31-51344	31-44 TASK 836
		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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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 042 41	TRANSPONDER L (EICAS STATUS) Before you do any task listed here, see FIM 34-53 TASK 836.	(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
		31-51533	31-44 TASK 839
		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
		31-51731	31-44 TASK 841
		31-51733	31-44 TASK 843
		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
		31-52112	31-41 TASK 820
		31-52541	31-43 TASK 815
		31-52542	31-43 TASK 816
		31-52591	31-43 TASK 855
		31-52592	31-43 TASK 855
		31-53721	31-41 TASK 832
		31-53722	31-41 TASK 833

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 042 41	TRANSPONDER L (EICAS STATUS) Before you do any task listed here, see FIM 34-53 TASK 836.	(continued)	
		31-53731	31-41 TASK 832
		31-53732	31-41 TASK 833
		31-54013	31-43 TASK 868
		31-54014	31-43 TASK 869
		31-54101	31-41 TASK 834
		31-54102	31-41 TASK 835
		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
		31-56501	31-43 TASK 854
		31-56502	31-43 TASK 854
		31-57701	31-41 TASK 842
		31-57702	31-41 TASK 843
		31-57711	31-41 TASK 842
		31-57712	31-41 TASK 843
		31-58013	31-43 TASK 872
		31-58014	31-43 TASK 873
		31-58101	31-41 TASK 852
		31-58232	31-41 TASK 922
		31-58281	31-41 TASK 921
		31-59702	31-41 TASK 859
		31-59711	31-41 TASK 858
		31-61011	31-43 TASK 861
		31-61020	31-43 TASK 863
		31-61071	31-43 TASK 841
		31-62012	31-43 TASK 844
		31-62020	31-43 TASK 845
		31-62072	31-43 TASK 851
		31-68801	31-43 TASK 892
		31-68802	31-43 TASK 893
		31-68895	31-43 TASK 879

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 042 41	TRANSPONDER L (EICAS STATUS) Before you do any task listed here, see FIM 34-53 TASK 836.	(continued)	
		31-68896	31-43 TASK 880
		31-69101	31-42 TASK 801
		31-69117	31-42 TASK 806
		31-69202	31-42 TASK 809
		31-69220	31-42 TASK 814
		31-69301	31-42 TASK 817
		31-69302	31-42 TASK 817
		31-69317	31-42 TASK 822
		31-69953	31-42 TASK 894
		31-69954	31-42 TASK 894
		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
		34-25201	34-11 TASK 804
		34-25202	34-11 TASK 805
		34-25203	34-11 TASK 806
		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
		34-28816	34-21 TASK 814
		34-28827	34-21 TASK 851
		34-28830	34-21 TASK 852
		34-28838	34-21 TASK 854
		34-29101	34-21 TASK 893
		34-29105	34-21 TASK 816

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 042 41	TRANSPONDER L (EICAS STATUS) Before you do any task listed here, see FIM 34-53 TASK 836.	(continued)	
		34-29120	34-21 TASK 894
		34-29201	34-21 TASK 858
		34-29204	34-21 TASK 860
		34-29301	34-21 TASK 895
		34-29306	34-21 TASK 865
		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
		34-38310	34-21 TASK 819
		34-38801	34-21 TASK 874
		34-38820	34-21 TASK 898
		34-39101	34-21 TASK 825
		34-39106	34-21 TASK 827
		34-39201	34-21 TASK 871
		34-39207	34-21 TASK 877
		34-39301	34-21 TASK 879
		34-39308	34-21 TASK 881
		34-48011	34-53 TASK 801
		34-48020	34-53 TASK 803
		34-48021	34-53 TASK 804
		34-48030	34-53 TASK 806
		34-48031	34-53 TASK 807
		34-48801	34-53 TASK 809
		34-48803	34-53 TASK 811
		34-48893	34-53 TASK 814
		34-49988	34-53 TASK 821
		34-49991	34-53 TASK 823
		34-49994	34-53 TASK 825
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 042 41	TRANSPONDER L (EICAS STATUS) Before you do any task listed here, see FIM 34-53 TASK 836.	(continued) 34-71060	 34-90 TASK 801
345 042 42	TRANSPONDER R (EICAS STATUS) Before you do any task listed here, see FIM 34-53 TASK 836.	23-81001 23-81002 23-81003 24-12126 27-15100 27-15101 27-15102 31-50011 31-50012 31-50091 31-50092 31-51014 31-51023 31-51024 31-51025 31-51026 31-51033 31-51034 31-51043 31-51044 31-51142 31-51144 31-51342 31-51344 31-51411 31-51412 31-51413 31-51414 31-51421 31-51422	23-91 TASK 801 23-91 TASK 802 23-91 TASK 803 24-51 TASK 841 27-02 TASK 946 27-02 TASK 947 27-02 TASK 948 31-44 TASK 801 31-44 TASK 802 31-44 TASK 819 31-44 TASK 820 31-44 TASK 864 31-44 TASK 865 31-44 TASK 866 31-43 TASK 803 31-43 TASK 804 31-44 TASK 869 31-44 TASK 870 31-44 TASK 871 31-44 TASK 872 31-44 TASK 828 31-44 TASK 832 31-44 TASK 834 31-44 TASK 836 34-61 TASK 913 34-61 TASK 914 34-61 TASK 815 34-61 TASK 889 34-61 TASK 888 34-61 TASK 814

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 042 42	TRANSPONDER R (EICAS STATUS) Before you do any task listed here, see FIM 34-53 TASK 836.	(continued)	
		31-51423	34-61 TASK 815
		31-51424	34-61 TASK 889
		31-51531	31-44 TASK 837
		31-51533	31-44 TASK 839
		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
		31-51731	31-44 TASK 841
		31-51733	31-44 TASK 843
		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
		31-52112	31-41 TASK 820
		31-52541	31-43 TASK 815
		31-52542	31-43 TASK 816
		31-52591	31-43 TASK 855
		31-52592	31-43 TASK 855
		31-53721	31-41 TASK 832
		31-53722	31-41 TASK 833
		31-53731	31-41 TASK 832
		31-53732	31-41 TASK 833

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 042 42	TRANSPONDER R (EICAS STATUS) Before you do any task listed here, see FIM 34-53 TASK 836.	(continued)	
		31-54013	31-43 TASK 868
		31-54014	31-43 TASK 869
		31-54101	31-41 TASK 834
		31-54102	31-41 TASK 835
		31-54201	31-41 TASK 916
		31-54202	31-41 TASK 917
		31-55701	31-41 TASK 840
		31-55702	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
		31-56501	31-43 TASK 854
		31-56502	31-43 TASK 854
		31-57701	31-41 TASK 842
		31-57702	31-41 TASK 843
		31-57711	31-41 TASK 842
		31-57712	31-41 TASK 843
		31-58013	31-43 TASK 872
		31-58101	31-41 TASK 852
		31-61011	31-43 TASK 861
		31-61020	31-43 TASK 863
		31-61071	31-43 TASK 841
		31-62012	31-43 TASK 844
		31-62020	31-43 TASK 845
		31-62072	31-43 TASK 851
		31-68801	31-43 TASK 892
		31-68802	31-43 TASK 893
		31-68895	31-43 TASK 879
		31-68896	31-43 TASK 880
		31-69101	31-42 TASK 801
		31-69117	31-42 TASK 806

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 042 42	TRANSPONDER R (EICAS STATUS) Before you do any task listed here, see FIM 34-53 TASK 836.	(continued)	
		31-69202	31-42 TASK 809
		31-69220	31-42 TASK 814
		31-69301	31-42 TASK 817
		31-69302	31-42 TASK 817
		31-69317	31-42 TASK 822
		31-69955	31-42 TASK 894
		31-69956	31-42 TASK 894
		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
		34-25201	34-11 TASK 804
		34-25202	34-11 TASK 805
		34-25203	34-11 TASK 806
		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
		34-28816	34-21 TASK 814
		34-28827	34-21 TASK 851
		34-28830	34-21 TASK 852
		34-28838	34-21 TASK 854
		34-29101	34-21 TASK 893
		34-29105	34-21 TASK 816
		34-29120	34-21 TASK 894
		34-29201	34-21 TASK 858
		34-29204	34-21 TASK 860

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 042 42	TRANSPONDER R (EICAS STATUS) Before you do any task listed here, see FIM 34-53 TASK 836.	(continued)	
		34-29301	34-21 TASK 895
		34-29306	34-21 TASK 865
		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
		34-38310	34-21 TASK 819
		34-38801	34-21 TASK 874
		34-38820	34-21 TASK 898
		34-39101	34-21 TASK 825
		34-39106	34-21 TASK 827
		34-39201	34-21 TASK 871
		34-39207	34-21 TASK 877
		34-39301	34-21 TASK 879
		34-39308	34-21 TASK 881
		34-48012	34-53 TASK 802
		34-48020	34-53 TASK 803
		34-48022	34-53 TASK 805
		34-48030	34-53 TASK 806
		34-48032	34-53 TASK 808
		34-48802	34-53 TASK 810
		34-48803	34-53 TASK 811
		34-48892	34-53 TASK 813
		34-49989	34-53 TASK 822
		34-49992	34-53 TASK 824
		34-49995	34-53 TASK 826
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
		34-71060	34-90 TASK 801
345 121 41	ADS-B OUT L (EICAS ADVISORY)		34-53 TASK 837
345 121 42	ADS-B OUT R (EICAS ADVISORY)		34-53 TASK 838

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 122 41	ADS-B OUT L (EICAS STATUS)		34-53 TASK 837
345 122 42	ADS-B OUT R (EICAS STATUS)		34-53 TASK 838
345 131 41	GPS L (EICAS ADVISORY)		34-58 TASK 828
345 131 42	GPS R (EICAS ADVISORY)		34-58 TASK 828
345 301 00	VOR flag shows on ND - captain's.	24-12056	24-32 TASK 820
		24-13815	24-61 TASK 806
		24-13817	24-33 TASK 818
		31-68802	31-43 TASK 893
		31-68902	31-43 TASK 886
		31-68904	31-43 TASK 888
		31-69991	31-42 TASK 905
		31-69992	31-42 TASK 905
		31-85227	31-98 TASK 801
		34-47011	34-51 TASK 801
		34-47013	34-51 TASK 802
		34-47031	34-51 TASK 803
		34-47033	34-51 TASK 804
		34-47041	34-51 TASK 813
		34-47043	34-51 TASK 814
		34-47801	34-51 TASK 805
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68801	34-61 TASK 819
345 301 31	DME flag shows on PFD - captain's.	24-11784	24-51 TASK 836
		24-13815	24-61 TASK 806
		31-68802	31-43 TASK 893
		31-68902	31-43 TASK 886
		31-69957	31-42 TASK 895
		31-69958	31-42 TASK 895
		31-83513	31-51 TASK 946
		31-85105	31-98 TASK 801
		34-49011	34-55 TASK 801

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345 301 31	DME flag shows on PFD - captain's.	(continued)	
		34-49021	34-55 TASK 811
		34-49031	34-55 TASK 813
		34-49801	34-55 TASK 803
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68801	34-61 TASK 819
345 301 32	DME flag shows on PFD - first officer's.	34-68891	34-61 TASK 801
		24-12056	24-32 TASK 820
		24-12126	24-51 TASK 841
		31-68802	31-43 TASK 893
		31-68904	31-43 TASK 888
		31-69959	31-42 TASK 895
		31-69960	31-42 TASK 895
		31-83514	31-51 TASK 947
		31-85106	31-98 TASK 801
		34-49013	34-55 TASK 802
		34-49023	34-55 TASK 812
		34-49033	34-55 TASK 814
		34-49802	34-55 TASK 804
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
345 301 41	VOR L flag shows on ND - captain's.	34-68802	34-61 TASK 819
		34-68892	34-61 TASK 823
		24-13815	24-61 TASK 806
		24-13817	24-33 TASK 818
		31-68802	31-43 TASK 893
		31-68902	31-43 TASK 886
		31-69991	31-42 TASK 905
		31-69992	31-42 TASK 905
		31-85229	31-98 TASK 801
		34-47011	34-51 TASK 801
		34-47031	34-51 TASK 803
		34-47041	34-51 TASK 813

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 301 41	VOR L flag shows on ND - captain's.	(continued)	
		34-47801	34-51 TASK 805
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68801	34-61 TASK 819
345 301 42	VOR R flag shows on ND - captain's.	34-68891	34-61 TASK 801
		24-12056	24-32 TASK 820
		24-12126	24-51 TASK 841
		31-68802	31-43 TASK 893
		31-68904	31-43 TASK 888
		31-69993	31-42 TASK 905
		31-69994	31-42 TASK 905
		31-85231	31-98 TASK 801
		34-47013	34-51 TASK 802
		34-47033	34-51 TASK 804
		34-47043	34-51 TASK 814
		34-47802	34-51 TASK 806
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68802	34-61 TASK 819
		34-68892	34-61 TASK 823
345 302 00	VOR flag shows on ND - first officer's.	24-12056	24-32 TASK 820
		24-12126	24-51 TASK 841
		24-13815	24-61 TASK 806
		31-68802	31-43 TASK 893
		31-68902	31-43 TASK 886
		31-68904	31-43 TASK 888
		31-69993	31-42 TASK 905
		31-69994	31-42 TASK 905
		31-85228	31-98 TASK 801
		34-47011	34-51 TASK 801
		34-47013	34-51 TASK 802
		34-47031	34-51 TASK 803
		34-47033	34-51 TASK 804

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 302 00	VOR flag shows on ND - first officer's.	(continued)	
		34-47041	34-51 TASK 813
		34-47043	34-51 TASK 814
		34-47802	34-51 TASK 806
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68801	34-61 TASK 819
		34-68802	34-61 TASK 819
		34-68891	34-61 TASK 801
345 302 41	VOR L flag shows on ND - first officer's.	34-68892	34-61 TASK 823
		24-13815	24-61 TASK 806
		24-13817	24-33 TASK 818
		31-68802	31-43 TASK 893
		31-68902	31-43 TASK 886
		31-69991	31-42 TASK 905
		31-69992	31-42 TASK 905
		31-85230	31-98 TASK 801
		34-47011	34-51 TASK 801
		34-47031	34-51 TASK 803
		34-47041	34-51 TASK 813
		34-47801	34-51 TASK 805
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68801	34-61 TASK 819
345 302 42	VOR R flag shows on ND - first officer's.	34-68891	34-61 TASK 801
		24-12056	24-32 TASK 820
		24-12126	24-51 TASK 841
		31-68802	31-43 TASK 893
		31-68904	31-43 TASK 888
		31-69993	31-42 TASK 905
		31-69994	31-42 TASK 905
		31-85232	31-98 TASK 801
		34-47013	34-51 TASK 802
		34-47033	34-51 TASK 804

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345 302 42	VOR R flag shows on ND - first officer's.	(continued)	
		34-47043	34-51 TASK 814
		34-47802	34-51 TASK 806
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68802	34-61 TASK 819
345 311 31	DME flag shows on ND - captain's.	34-68892	34-61 TASK 823
		24-11784	24-51 TASK 836
		24-13815	24-61 TASK 806
		31-68802	31-43 TASK 893
		31-68902	31-43 TASK 886
		31-69957	31-42 TASK 895
		31-69958	31-42 TASK 895
		31-85205	31-98 TASK 801
		34-49011	34-55 TASK 801
		34-49021	34-55 TASK 811
		34-49031	34-55 TASK 813
		34-49801	34-55 TASK 803
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68801	34-61 TASK 819
		34-68891	34-61 TASK 801
345 311 32	DME flag shows on ND - first officer's.	24-12056	24-32 TASK 820
		24-12126	24-51 TASK 841
		31-68802	31-43 TASK 893
		31-68904	31-43 TASK 888
		31-69959	31-42 TASK 895
		31-69960	31-42 TASK 895
		31-85206	31-98 TASK 801
		34-49013	34-55 TASK 802
		34-49023	34-55 TASK 812
		34-49033	34-55 TASK 814
		34-49802	34-55 TASK 804
		34-61001	34-61 TASK 818

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345 311 32	DME flag shows on ND - first officer's.	(continued)	
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68802	34-61 TASK 819
345 311 41	DMEL flag shows on ND - captain's.	34-68892	34-61 TASK 823
		24-11784	24-51 TASK 836
		24-13815	24-61 TASK 806
		31-68802	31-43 TASK 893
		31-68902	31-43 TASK 886
		31-69957	31-42 TASK 895
		31-69958	31-42 TASK 895
		31-85207	31-98 TASK 801
		34-49011	34-55 TASK 801
		34-49021	34-55 TASK 811
		34-49031	34-55 TASK 813
		34-49801	34-55 TASK 803
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68801	34-61 TASK 819
		34-68891	34-61 TASK 801
345 311 42	DMER flag shows on ND - captain's.	24-12056	24-32 TASK 820
		24-12126	24-51 TASK 841
		31-68802	31-43 TASK 893
		31-68904	31-43 TASK 888
		31-69959	31-42 TASK 895
		31-69960	31-42 TASK 895
		31-85209	31-98 TASK 801
		34-49013	34-55 TASK 802
		34-49023	34-55 TASK 812
		34-49033	34-55 TASK 814
		34-49802	34-55 TASK 804
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68802	34-61 TASK 819

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345 311 42	DMER flag shows on ND - captain's.	(continued) 34-68892	34-61 TASK 823
345 312 41	DMEL flag shows on ND - first officer's.	24-11784 24-13815 31-68802 31-68902 31-69957 31-69958 31-85208 34-49011 34-49021 34-49031 34-49801 34-61001 34-61002 34-61003 34-68801 34-68891	24-51 TASK 836 24-61 TASK 806 31-43 TASK 893 31-43 TASK 886 31-42 TASK 895 31-42 TASK 895 31-98 TASK 801 34-55 TASK 801 34-55 TASK 811 34-55 TASK 813 34-55 TASK 803 34-61 TASK 818 34-61 TASK 818 34-61 TASK 818 34-61 TASK 819 34-61 TASK 801
345 312 42	DMER flag shows on ND - first officer's.	24-12056 24-12126 31-68802 31-68904 31-69959 31-69960 31-85210 34-49013 34-49023 34-49033 34-49802 34-61001 34-61002 34-61003 34-68802 34-68892	24-32 TASK 820 24-51 TASK 841 31-43 TASK 893 31-43 TASK 888 31-42 TASK 895 31-42 TASK 895 31-98 TASK 801 34-55 TASK 802 34-55 TASK 812 34-55 TASK 814 34-55 TASK 804 34-61 TASK 818 34-61 TASK 818 34-61 TASK 818 34-61 TASK 819 34-61 TASK 823
345 321 41	ADF L flag shows on ND - captain's.	24-11784 24-13815	24-51 TASK 836 24-61 TASK 806

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 321 41	ADF L flag shows on ND - captain's.	(continued)	
		31-68802	31-43 TASK 893
		31-68902	31-43 TASK 886
		31-69945	31-42 TASK 892
		31-69946	31-42 TASK 892
		31-85201	31-98 TASK 801
		34-51011	34-57 TASK 801
		34-51021	34-57 TASK 802
		34-51031	34-57 TASK 807
		34-51041	34-57 TASK 809
		34-51801	34-57 TASK 801
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68801	34-61 TASK 819
		34-68891	34-61 TASK 801
345 321 42	ADF R flag shows on ND - captain's.	24-12056	24-32 TASK 820
		24-12126	24-51 TASK 841
		31-68802	31-43 TASK 893
		31-68904	31-43 TASK 888
		31-69947	31-42 TASK 892
		31-69948	31-42 TASK 892
		31-85203	31-98 TASK 801
		34-51013	34-57 TASK 806
		34-51023	34-57 TASK 803
		34-51033	34-57 TASK 808
		34-51043	34-57 TASK 810
		34-51802	34-57 TASK 806
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68802	34-61 TASK 819
		34-68892	34-61 TASK 823
345 322 41	ADF L flag shows on ND - first officer's.	24-11784	24-51 TASK 836
		24-12056	24-32 TASK 820
		24-13815	24-61 TASK 806

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 322 41	ADF L flag shows on ND - first officer's.	(continued)	
		31-68802	31-43 TASK 893
		31-68902	31-43 TASK 886
		31-68904	31-43 TASK 888
		31-69945	31-42 TASK 892
		31-69946	31-42 TASK 892
		31-85202	31-98 TASK 801
		34-51011	34-57 TASK 801
		34-51013	34-57 TASK 806
		34-51021	34-57 TASK 802
		34-51023	34-57 TASK 803
		34-51031	34-57 TASK 807
		34-51033	34-57 TASK 808
		34-51041	34-57 TASK 809
		34-51043	34-57 TASK 810
		34-51801	34-57 TASK 801
		34-61001	34-61 TASK 818
		34-61002	34-61 TASK 818
		34-61003	34-61 TASK 818
		34-68801	34-61 TASK 819
		34-68802	34-61 TASK 819
		34-68891	34-61 TASK 801
		34-68892	34-61 TASK 823
345 322 42	ADF R flag shows on ND - first officer's.	24-12056	24-32 TASK 820
		24-12126	24-51 TASK 841
		31-68802	31-43 TASK 893
		31-68904	31-43 TASK 888
		31-69947	31-42 TASK 892
		31-69948	31-42 TASK 892
		31-85204	31-98 TASK 801
		34-51013	34-57 TASK 806
		34-51023	34-57 TASK 803
		34-51033	34-57 TASK 808
		34-51043	34-57 TASK 810
		34-51802	34-57 TASK 806
		34-61001	34-61 TASK 818

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
345 322 42	ADF R flag shows on ND - first officer's.	(continued) 34-61002 34-61003 34-68802 34-68892	34-61 TASK 818 34-61 TASK 818 34-61 TASK 819 34-61 TASK 823
345 611 41	VOR IDENT audio problems - left.		34-51 TASK 815
345 611 42	VOR IDENT audio problems - right.		34-51 TASK 816
345 612 41	VOR course data blank - left.		34-51 TASK 817
345 612 42	VOR course data blank - right.		34-51 TASK 818
345 621 00	Marker beacon: indication does not show on either PFD when passing marker; audio tone normal.		34-32 TASK 804
345 622 31	Marker beacon: Audio tone does not occur or is weak when passing marker; marker beacon indication normal - captain's.		34-32 TASK 802
345 622 32	Marker beacon: Audio tone does not occur or is weak when passing marker; marker beacon indication normal - first officer's.		34-32 TASK 802
345 622 33	Marker beacon: Audio tone does not occur or is weak when passing marker; marker beacon indication normal - first observer's.		34-32 TASK 802
345 622 48	Marker beacon: Audio tone does not occur or is weak when passing marker; marker beacon indication normal - all stations.		34-32 TASK 802
345 623 48	Marker beacon: indication does not show on either PFD when passing marker; audio tone does not occur or is weak.		34-32 TASK 803
345 631 41	ATC: Transmission problem - left transponder selected.		34-53 TASK 829
345 631 42	ATC: Transmission problem - right transponder selected.		34-53 TASK 830
345 631 48	ATC: Transmission problem - left and right transponders selected.		34-53 TASK 831
345 632 41	ATC: mode selector problem - left transponder selected.		34-53 TASK 832
345 632 42	ATC: mode selector problem - right transponder selected.		34-53 TASK 832
345 632 48	ATC: mode selector problem - left and right transponders selected.		34-53 TASK 832
345 633 00	ATC: code indicator missing segments.		34-53 TASK 832

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345 641 31	ADF: ADF (left) indication blank on ND - captain's.		34-57 TASK 813
345 641 32	ADF: ADF (left) indication blank on ND - first officer's.		34-57 TASK 813
345 641 48	ADF: ADF (left) indication blank on ND - captain's and first officer's.		34-57 TASK 813
345 642 31	ADF: ADF (right) indication blank on ND - captain's.		34-57 TASK 813
345 642 32	ADF: ADF (right) indication blank on ND - first officer's.		34-57 TASK 813
345 642 48	ADF: ADF (right) indication blank on ND - captain's and first officer's.		34-57 TASK 813
345 643 41	ADF: Audio problem - left.		34-57 TASK 814
345 643 42	ADF: Audio problem - right.		34-57 TASK 814
346 001 00	PILOT RESPONSE (EICAS WARNING)		34-61 TASK 887
346 002 00	PILOT RESPONSE (EICAS CAUTION)		34-61 TASK 887
346 003 00	PILOT RESPONSE (EICAS ADVISORY)		34-61 TASK 887
346 011 00	FMC MESSAGE (EICAS ADVISORY)	31-51025	31-43 TASK 803
		31-51026	31-43 TASK 804
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
		34-71020	34-61 TASK 907
		34-71060	34-90 TASK 801
346 015 00	FMC RUNWAY DISAGREE (EICAS CAUTION)		34-61 TASK 948
346 021 00	FMC (EICAS ADVISORY)	31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802
		31-50091	31-44 TASK 819
		31-50092	31-44 TASK 820
		31-51023	31-44 TASK 865
		31-51024	31-44 TASK 866
		31-51025	31-43 TASK 803
		31-51026	31-43 TASK 804
		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

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346 021 00	FMC (EICAS ADVISORY)	(continued)	
		31-51422	34-61 TASK 814
		31-51423	34-61 TASK 815
		31-51424	34-61 TASK 889
		31-68801	31-43 TASK 892
		31-68802	31-43 TASK 893
		31-83171	31-61 TASK 874
		31-83172	31-61 TASK 875
		31-83173	31-61 TASK 876
		31-83174	31-61 TASK 877
		31-83181	31-61 TASK 917
		31-83182	31-61 TASK 918
		31-83183	31-61 TASK 919
		31-83184	31-61 TASK 920
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
		34-71020	34-61 TASK 907
		34-71031	34-61 TASK 815
		34-71032	34-61 TASK 889
		34-71060	34-90 TASK 801
346 022 00	FMC (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
		24-12056	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
		31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802
		31-50091	31-44 TASK 819

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346 022 00	FMC (EICAS STATUS)	(continued)	
		31-50092	31-44 TASK 820
		31-51023	31-44 TASK 865
		31-51024	31-44 TASK 866
		31-51025	31-43 TASK 803
		31-51026	31-43 TASK 804
		31-51307	31-44 TASK 853
		31-51308	31-44 TASK 854
		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
		31-52013	31-43 TASK 866
		31-52014	31-43 TASK 867
		31-52101	31-41 TASK 817
		31-52102	31-41 TASK 818
		31-52110	31-41 TASK 989
		31-52111	31-41 TASK 819
		31-52112	31-41 TASK 820
		31-52114	31-45 TASK 809
		31-52121	31-41 TASK 821
		31-52122	31-41 TASK 822
		31-52201	31-41 TASK 914
		31-52202	31-41 TASK 915
		31-52331	31-41 TASK 914
		31-52332	31-41 TASK 915
		31-52351	31-41 TASK 914
		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

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346 022 00	FMC (EICAS STATUS)	(continued)	
		31-52441	31-41 TASK 914
		31-52442	31-41 TASK 915
		31-52451	31-41 TASK 914
		31-52462	31-41 TASK 915
		31-52601	31-41 TASK 832
		31-52602	31-41 TASK 833
		31-53401	31-41 TASK 832
		31-53402	31-41 TASK 833
		31-53701	31-41 TASK 832
		31-53702	31-41 TASK 833
		31-53721	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
		31-54101	31-41 TASK 834
		31-54102	31-41 TASK 835
		31-54111	31-41 TASK 836
		31-54112	31-41 TASK 837
		31-54121	31-41 TASK 838
		31-54122	31-41 TASK 839
		31-54272	31-41 TASK 917
		31-54311	31-41 TASK 916
		31-54331	31-41 TASK 916
		31-54332	31-41 TASK 917
		31-54351	31-41 TASK 916
		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
		31-54441	31-41 TASK 916
		31-54442	31-41 TASK 917
		31-54451	31-41 TASK 916

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
346 022 00	FMC (EICAS STATUS)	(continued)	
		31-54462	31-41 TASK 917
		31-54521	31-43 TASK 854
		31-54542	31-43 TASK 821
		31-54601	31-41 TASK 840
		31-54602	31-41 TASK 841
		31-55401	31-41 TASK 840
		31-55402	31-41 TASK 841
		31-55701	31-41 TASK 840
		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
		31-56101	31-41 TASK 844
		31-56102	31-41 TASK 845
		31-56103	31-41 TASK 990
		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
		31-56121	31-41 TASK 848
		31-56122	31-41 TASK 849
		31-56231	31-41 TASK 919
		31-56331	31-41 TASK 919
		31-56341	31-41 TASK 919
		31-56352	31-41 TASK 920
		31-56372	31-41 TASK 920
		31-56391	31-41 TASK 919
		31-56392	31-41 TASK 920
		31-56401	31-41 TASK 919
		31-56402	31-41 TASK 920

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
346 022 00	FMC (EICAS STATUS)	(continued)	
		31-56411	31-41 TASK 919
		31-56412	31-41 TASK 920
		31-56442	31-41 TASK 920
		31-56461	31-41 TASK 919
		31-56521	31-43 TASK 854
		31-56542	31-43 TASK 827
		31-56601	31-41 TASK 842
		31-56602	31-41 TASK 843
		31-57291	31-41 TASK 924
		31-57292	31-41 TASK 925
		31-57401	31-41 TASK 842
		31-57402	31-41 TASK 843
		31-57701	31-41 TASK 842
		31-57711	31-41 TASK 842
		31-57721	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
		31-58101	31-41 TASK 852
		31-58102	31-41 TASK 853
		31-58111	31-41 TASK 854
		31-58112	31-41 TASK 855
		31-58121	31-41 TASK 856
		31-58122	31-41 TASK 857
		31-58282	31-41 TASK 922
		31-58331	31-41 TASK 921
		31-58341	31-41 TASK 921
		31-58352	31-41 TASK 922
		31-58372	31-41 TASK 922
		31-58391	31-41 TASK 921
		31-58392	31-41 TASK 922
		31-58401	31-41 TASK 921
		31-58402	31-41 TASK 922

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
346 022 00	FMC (EICAS STATUS)	(continued)	
		31-58411	31-41 TASK 921
		31-58412	31-41 TASK 922
		31-58442	31-41 TASK 922
		31-58461	31-41 TASK 921
		31-58521	31-43 TASK 854
		31-58542	31-43 TASK 834
		31-58601	31-41 TASK 992
		31-58602	31-41 TASK 993
		31-59291	31-41 TASK 949
		31-59292	31-41 TASK 950
		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
		31-59722	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
		31-69401	31-42 TASK 825
		31-69402	31-42 TASK 825
		31-69455	31-42 TASK 846
		31-69456	31-42 TASK 846
		31-69457	31-42 TASK 846
		31-69458	31-42 TASK 846
		31-69459	31-42 TASK 846
		31-69460	31-42 TASK 846
		31-69601	31-42 TASK 857
		31-69602	31-42 TASK 857
		31-69655	31-42 TASK 873
		31-69656	31-42 TASK 873
		31-69657	31-42 TASK 873
		31-69658	31-42 TASK 873

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
346 022 00	FMC (EICAS STATUS)	(continued)	
		31-69659	31-42 TASK 873
		31-69660	31-42 TASK 873
		31-83171	31-61 TASK 874
		31-83172	31-61 TASK 875
		31-83173	31-61 TASK 876
		31-83174	31-61 TASK 877
		31-83181	31-61 TASK 917
		31-83182	31-61 TASK 918
		31-83183	31-61 TASK 919
		31-83184	31-61 TASK 920
		34-61031	34-61 TASK 917
		34-61032	34-61 TASK 918
		34-61033	34-61 TASK 919
		34-61041	34-61 TASK 847
		34-61042	34-61 TASK 848
		34-61043	34-61 TASK 849
		34-68801	34-61 TASK 819
		34-68802	34-61 TASK 819
		34-68803	34-61 TASK 819
		34-68841	34-61 TASK 917
		34-68842	34-61 TASK 919
		34-68843	34-61 TASK 918
		34-68861	34-61 TASK 820
		34-68862	34-61 TASK 821
		34-68863	34-61 TASK 822
		34-69401	34-61 TASK 917
		34-69402	34-61 TASK 918
		34-69403	34-61 TASK 919
		34-69601	34-61 TASK 847
		34-69602	34-61 TASK 848
		34-69603	34-61 TASK 849
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
		34-71020	34-61 TASK 907
		34-71031	34-61 TASK 815

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
346 022 00	FMC (EICAS STATUS)	(continued)	
		34-71032	34-61 TASK 889
		34-71060	34-90 TASK 801
		34-72011	34-61 TASK 815
		34-72012	34-61 TASK 889
		34-72031	34-61 TASK 905
		34-72032	34-61 TASK 906
346 031 41	FMC L (EICAS ADVISORY)	31-50011	31-44 TASK 801
		31-50091	31-44 TASK 819
		31-51023	31-44 TASK 865
		31-51025	31-43 TASK 803
		31-51411	34-61 TASK 913
		31-51413	34-61 TASK 815
		31-51421	34-61 TASK 888
		31-51423	34-61 TASK 815
		31-68801	31-43 TASK 892
		31-83171	31-61 TASK 874
		31-83172	31-61 TASK 875
		31-83181	31-61 TASK 917
		31-83182	31-61 TASK 918
		34-71011	34-61 TASK 905
		34-71020	34-61 TASK 907
		34-71031	34-61 TASK 815
		34-71060	34-90 TASK 801
346 031 42	FMC R (EICAS ADVISORY)	31-50012	31-44 TASK 802
		31-50092	31-44 TASK 820
		31-51024	31-44 TASK 866
		31-51026	31-43 TASK 804
		31-51412	34-61 TASK 914
		31-51414	34-61 TASK 889
		31-51422	34-61 TASK 814
		31-51424	34-61 TASK 889
		31-68802	31-43 TASK 893
		31-83173	31-61 TASK 876
		31-83174	31-61 TASK 877
		31-83183	31-61 TASK 919

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
346 031 42	FMC R (EICAS ADVISORY)	(continued)	
		31-83184	31-61 TASK 920
		34-71012	34-61 TASK 906
		34-71020	34-61 TASK 907
		34-71032	34-61 TASK 889
		34-71060	34-90 TASK 801
346 032 41	FMC L (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
		24-12056	24-32 TASK 820
		24-13801	24-61 TASK 805
		24-13815	24-61 TASK 806
		31-50007	31-44 TASK 821
		31-50011	31-44 TASK 801
		31-50091	31-44 TASK 819
		31-51023	31-44 TASK 865
		31-51025	31-43 TASK 803
		31-51307	31-44 TASK 853
		31-51411	34-61 TASK 913
		31-51413	34-61 TASK 815
		31-51421	34-61 TASK 888
		31-51423	34-61 TASK 815
		31-52013	31-43 TASK 866
		31-52101	31-41 TASK 817
		31-52111	31-41 TASK 819
		31-52121	31-41 TASK 821
		31-52201	31-41 TASK 914
		31-52331	31-41 TASK 914
		31-52351	31-41 TASK 914
		31-52371	31-41 TASK 914
		31-52381	31-41 TASK 914

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346 032 41	FMC L (EICAS STATUS)	(continued)	
		31-52441	31-41 TASK 914
		31-52451	31-41 TASK 914
		31-52601	31-41 TASK 832
		31-53401	31-41 TASK 832
		31-53701	31-41 TASK 832
		31-53721	31-41 TASK 832
		31-53731	31-41 TASK 832
		31-54013	31-43 TASK 868
		31-54101	31-41 TASK 834
		31-54111	31-41 TASK 836
		31-54121	31-41 TASK 838
		31-54311	31-41 TASK 916
		31-54331	31-41 TASK 916
		31-54351	31-41 TASK 916
		31-54371	31-41 TASK 916
		31-54381	31-41 TASK 916
		31-54441	31-41 TASK 916
		31-54451	31-41 TASK 916
		31-54521	31-43 TASK 854
		31-54601	31-41 TASK 840
		31-55401	31-41 TASK 840
		31-55701	31-41 TASK 840
		31-55711	31-41 TASK 840
		31-55721	31-41 TASK 840
		31-55731	31-41 TASK 840
		31-56013	31-43 TASK 870
		31-56101	31-41 TASK 844
		31-56103	31-41 TASK 990
		31-56111	31-41 TASK 846
		31-56113	31-41 TASK 991
		31-56121	31-41 TASK 848
		31-56231	31-41 TASK 919
		31-56331	31-41 TASK 919
		31-56341	31-41 TASK 919
		31-56391	31-41 TASK 919

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346 032 41	FMC L (EICAS STATUS)	(continued)	
		31-56401	31-41 TASK 919
		31-56411	31-41 TASK 919
		31-56461	31-41 TASK 919
		31-56521	31-43 TASK 854
		31-56601	31-41 TASK 842
		31-57291	31-41 TASK 924
		31-57401	31-41 TASK 842
		31-57701	31-41 TASK 842
		31-57711	31-41 TASK 842
		31-57721	31-41 TASK 842
		31-57731	31-41 TASK 842
		31-58013	31-43 TASK 872
		31-58101	31-41 TASK 852
		31-58111	31-41 TASK 854
		31-58121	31-41 TASK 856
		31-58331	31-41 TASK 921
		31-58341	31-41 TASK 921
		31-58391	31-41 TASK 921
		31-58401	31-41 TASK 921
		31-58411	31-41 TASK 921
		31-58461	31-41 TASK 921
		31-58521	31-43 TASK 854
		31-58601	31-41 TASK 992
		31-59291	31-41 TASK 949
		31-59401	31-41 TASK 992
		31-59701	31-41 TASK 858
		31-59711	31-41 TASK 858
		31-59721	31-41 TASK 858
		31-59731	31-41 TASK 858
		31-68801	31-43 TASK 892
		31-69401	31-42 TASK 825
		31-69455	31-42 TASK 846
		31-69457	31-42 TASK 846
		31-69459	31-42 TASK 846
		31-69601	31-42 TASK 857

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346 032 41	FMC L (EICAS STATUS)	(continued)	
		31-69655	31-42 TASK 873
		31-69657	31-42 TASK 873
		31-69659	31-42 TASK 873
		31-83171	31-61 TASK 874
		31-83172	31-61 TASK 875
		31-83181	31-61 TASK 917
		31-83182	31-61 TASK 918
		34-61031	34-61 TASK 917
		34-61032	34-61 TASK 918
		34-61033	34-61 TASK 919
		34-61041	34-61 TASK 847
		34-61042	34-61 TASK 848
		34-61043	34-61 TASK 849
		34-68801	34-61 TASK 819
		34-68802	34-61 TASK 819
		34-68803	34-61 TASK 819
		34-68841	34-61 TASK 917
		34-68842	34-61 TASK 919
		34-68843	34-61 TASK 918
		34-68861	34-61 TASK 820
		34-68862	34-61 TASK 821
		34-68863	34-61 TASK 822
		34-69401	34-61 TASK 917
		34-69402	34-61 TASK 918
		34-69403	34-61 TASK 919
		34-69601	34-61 TASK 847
		34-69602	34-61 TASK 848
		34-69603	34-61 TASK 849
		34-71011	34-61 TASK 905
		34-71020	34-61 TASK 907
		34-71031	34-61 TASK 815
		34-71060	34-90 TASK 801
		34-72011	34-61 TASK 815
		34-72031	34-61 TASK 905

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
346 032 42	FMC R (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
		24-12056	24-32 TASK 820
		24-13801	24-61 TASK 805
		24-13815	24-61 TASK 806
		31-50008	31-44 TASK 822
		31-50012	31-44 TASK 802
		31-50092	31-44 TASK 820
		31-51024	31-44 TASK 866
		31-51026	31-43 TASK 804
		31-51308	31-44 TASK 854
		31-51412	34-61 TASK 914
		31-51414	34-61 TASK 889
		31-51422	34-61 TASK 814
		31-51424	34-61 TASK 889
		31-52014	31-43 TASK 867
		31-52102	31-41 TASK 818
		31-52110	31-41 TASK 989
		31-52112	31-41 TASK 820
		31-52114	31-45 TASK 809
		31-52122	31-41 TASK 822
		31-52202	31-41 TASK 915
		31-52332	31-41 TASK 915
		31-52362	31-41 TASK 915
		31-52392	31-41 TASK 915
		31-52402	31-41 TASK 915
		31-52442	31-41 TASK 915
		31-52462	31-41 TASK 915
		31-52602	31-41 TASK 833
		31-53402	31-41 TASK 833

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346 032 42	FMC R (EICAS STATUS)	(continued)	
		31-53702	31-41 TASK 833
		31-53722	31-41 TASK 833
		31-53732	31-41 TASK 833
		31-54014	31-43 TASK 869
		31-54102	31-41 TASK 835
		31-54112	31-41 TASK 837
		31-54122	31-41 TASK 839
		31-54272	31-41 TASK 917
		31-54332	31-41 TASK 917
		31-54362	31-41 TASK 917
		31-54392	31-41 TASK 917
		31-54402	31-41 TASK 917
		31-54442	31-41 TASK 917
		31-54462	31-41 TASK 917
		31-54542	31-43 TASK 821
		31-54602	31-41 TASK 841
		31-55402	31-41 TASK 841
		31-55712	31-41 TASK 841
		31-55722	31-41 TASK 841
		31-55732	31-41 TASK 841
		31-56014	31-43 TASK 871
		31-56102	31-41 TASK 845
		31-56104	31-45 TASK 811
		31-56112	31-41 TASK 847
		31-56114	31-45 TASK 810
		31-56122	31-41 TASK 849
		31-56352	31-41 TASK 920
		31-56372	31-41 TASK 920
		31-56392	31-41 TASK 920
		31-56402	31-41 TASK 920
		31-56412	31-41 TASK 920
		31-56442	31-41 TASK 920
		31-56542	31-43 TASK 827
		31-56602	31-41 TASK 843
		31-57292	31-41 TASK 925

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346 032 42	FMC R (EICAS STATUS)	(continued)	
		31-57402	31-41 TASK 843
		31-57722	31-41 TASK 843
		31-57732	31-41 TASK 843
		31-58014	31-43 TASK 873
		31-58102	31-41 TASK 853
		31-58112	31-41 TASK 855
		31-58122	31-41 TASK 857
		31-58282	31-41 TASK 922
		31-58352	31-41 TASK 922
		31-58372	31-41 TASK 922
		31-58392	31-41 TASK 922
		31-58402	31-41 TASK 922
		31-58412	31-41 TASK 922
		31-58442	31-41 TASK 922
		31-58542	31-43 TASK 834
		31-58602	31-41 TASK 993
		31-59292	31-41 TASK 950
		31-59402	31-41 TASK 993
		31-59712	31-41 TASK 859
		31-59722	31-41 TASK 859
		31-59732	31-41 TASK 859
		31-68802	31-43 TASK 893
		31-69402	31-42 TASK 825
		31-69456	31-42 TASK 846
		31-69458	31-42 TASK 846
		31-69460	31-42 TASK 846
		31-69602	31-42 TASK 857
		31-69656	31-42 TASK 873
		31-69658	31-42 TASK 873
		31-69660	31-42 TASK 873
		31-83173	31-61 TASK 876
		31-83174	31-61 TASK 877
		31-83183	31-61 TASK 919
		31-83184	31-61 TASK 920
		34-61031	34-61 TASK 917

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
346 032 42	FMC R (EICAS STATUS)	(continued)	
		34-61032	34-61 TASK 918
		34-61033	34-61 TASK 919
		34-61041	34-61 TASK 847
		34-61042	34-61 TASK 848
		34-61043	34-61 TASK 849
		34-68801	34-61 TASK 819
		34-68802	34-61 TASK 819
		34-68803	34-61 TASK 819
		34-68841	34-61 TASK 917
		34-68842	34-61 TASK 919
		34-68843	34-61 TASK 918
		34-68861	34-61 TASK 820
		34-68862	34-61 TASK 821
		34-68863	34-61 TASK 822
		34-69401	34-61 TASK 917
		34-69402	34-61 TASK 918
		34-69403	34-61 TASK 919
		34-69601	34-61 TASK 847
		34-69602	34-61 TASK 848
		34-69603	34-61 TASK 849
		34-71012	34-61 TASK 906
		34-71020	34-61 TASK 907
		34-71032	34-61 TASK 889
		34-71060	34-90 TASK 801
		34-72012	34-61 TASK 889
		34-72032	34-61 TASK 906
346 041 41	CDU L (EICAS STATUS)	23-81004	23-91 TASK 804
		23-81006	23-91 TASK 806
		24-13815	24-61 TASK 806
		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

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
346 041 41	CDU 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
		31-69455	31-42 TASK 846
		31-69456	31-42 TASK 846
		31-69601	31-42 TASK 857
		31-69602	31-42 TASK 857
		31-69655	31-42 TASK 873
		31-69656	31-42 TASK 873
		34-61031	34-61 TASK 917
		34-61041	34-61 TASK 847
		34-68801	34-61 TASK 819
		34-68841	34-61 TASK 917
		34-68861	34-61 TASK 820
		34-69401	34-61 TASK 917
		34-69601	34-61 TASK 847
346 041 42	CDU R (EICAS STATUS)	23-81004	23-91 TASK 804
		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
		31-58013	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
		31-69457	31-42 TASK 846
		31-69458	31-42 TASK 846
		31-69601	31-42 TASK 857
		31-69602	31-42 TASK 857
		31-69657	31-42 TASK 873

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
346 041 42	CDU R (EICAS STATUS)	(continued)	
		31-69658	31-42 TASK 873
		34-61033	34-61 TASK 919
		34-61043	34-61 TASK 849
		34-68802	34-61 TASK 819
		34-68842	34-61 TASK 919
		34-68862	34-61 TASK 821
		34-69403	34-61 TASK 919
346 041 43	CDU C (EICAS STATUS)	34-69603	34-61 TASK 849
		23-81004	23-91 TASK 804
		23-81006	23-91 TASK 806
		24-11787	24-32 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
		31-69459	31-42 TASK 846
		31-69460	31-42 TASK 846
		31-69601	31-42 TASK 857
		31-69602	31-42 TASK 857
		31-69659	31-42 TASK 873
		31-69660	31-42 TASK 873
		34-61032	34-61 TASK 918
		34-61042	34-61 TASK 848
		34-68803	34-61 TASK 819
		34-68843	34-61 TASK 918
		34-68863	34-61 TASK 822
		34-69402	34-61 TASK 918
		34-69602	34-61 TASK 848
346 051 00	NAV UNABLE RNP (EICAS CAUTION)		34-61 TASK 945

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
346 052 00	NAV UNABLE RNP (EICAS ADVISORY)		34-61 TASK 945
346 061 00	VNAV STEP CLIMB (EICAS ADVISORY)		34-61 TASK 949
346 301 31	LNDG ALT flag shows on PFD - captain's.	31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802
		31-50091	31-44 TASK 819
		31-50092	31-44 TASK 820
		31-51023	31-44 TASK 865
		31-51024	31-44 TASK 866
		31-51025	31-43 TASK 803
		31-51026	31-43 TASK 804
		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
		31-68801	31-43 TASK 892
		31-68802	31-43 TASK 893
		31-83171	31-61 TASK 874
		31-83172	31-61 TASK 875
		31-83173	31-61 TASK 876
		31-83174	31-61 TASK 877
		31-83181	31-61 TASK 917
		31-83182	31-61 TASK 918
		31-83183	31-61 TASK 919
		31-83184	31-61 TASK 920
		31-85115	31-98 TASK 801
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
		34-71031	34-61 TASK 815
		34-71032	34-61 TASK 889
		34-71060	34-90 TASK 801
346 301 32	LNDG ALT flag shows on PFD - first officer's.	31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
346 301 32	LNDG ALT flag shows on PFD - first officer's.	(continued)	
		31-50091	31-44 TASK 819
		31-50092	31-44 TASK 820
		31-51023	31-44 TASK 865
		31-51024	31-44 TASK 866
		31-51025	31-43 TASK 803
		31-51026	31-43 TASK 804
		31-51411	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
		31-68801	31-43 TASK 892
		31-68802	31-43 TASK 893
		31-83171	31-61 TASK 874
		31-83172	31-61 TASK 875
		31-83173	31-61 TASK 876
		31-83174	31-61 TASK 877
		31-83181	31-61 TASK 917
		31-83182	31-61 TASK 918
		31-83183	31-61 TASK 919
		31-83184	31-61 TASK 920
		31-85116	31-98 TASK 801
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
		34-71031	34-61 TASK 815
		34-71032	34-61 TASK 889
		34-71060	34-90 TASK 801
346 306 31	TRK flag shows on ND - captain's.	23-81001	23-91 TASK 801
		23-81003	23-91 TASK 803
		31-54013	31-43 TASK 868
		31-54101	31-41 TASK 834
		31-58014	31-43 TASK 873

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
346 306 31	TRK flag shows on ND - captain's.	(continued)	
		31-58102	31-41 TASK 853
		31-69101	31-42 TASK 801
		31-69102	31-42 TASK 801
		31-69117	31-42 TASK 806
		31-69118	31-42 TASK 806
		31-69301	31-42 TASK 817
		31-69302	31-42 TASK 817
		31-69317	31-42 TASK 822
		31-69318	31-42 TASK 822
		31-85225	31-98 TASK 801
		34-28801	34-21 TASK 848
		34-28810	34-21 TASK 849
		34-28830	34-21 TASK 852
		34-29101	34-21 TASK 893
		34-29301	34-21 TASK 895
346 306 32	TRK flag shows on ND - first officer's.	23-81001	23-91 TASK 801
		23-81003	23-91 TASK 803
		31-54013	31-43 TASK 868
		31-54101	31-41 TASK 834
		31-58014	31-43 TASK 873
		31-58102	31-41 TASK 853
		31-69101	31-42 TASK 801
		31-69102	31-42 TASK 801
		31-69117	31-42 TASK 806
		31-69118	31-42 TASK 806
		31-69301	31-42 TASK 817
		31-69302	31-42 TASK 817
		31-69317	31-42 TASK 822
		31-69318	31-42 TASK 822
		31-85226	31-98 TASK 801
		34-28801	34-21 TASK 848
		34-28810	34-21 TASK 849
		34-28830	34-21 TASK 852
		34-29101	34-21 TASK 893
		34-29301	34-21 TASK 895

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346 311 31	VTK flag shows on ND - captain's.	23-81001	23-91 TASK 801
		23-81003	23-91 TASK 803
		31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802
		31-50091	31-44 TASK 819
		31-50092	31-44 TASK 820
		31-51023	31-44 TASK 865
		31-51024	31-44 TASK 866
		31-51025	31-43 TASK 803
		31-51026	31-43 TASK 804
		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
		31-54013	31-43 TASK 868
		31-54101	31-41 TASK 834
		31-58014	31-43 TASK 873
		31-58102	31-41 TASK 853
		31-68801	31-43 TASK 892
		31-68802	31-43 TASK 893
		31-83171	31-61 TASK 874
		31-83172	31-61 TASK 875
		31-83173	31-61 TASK 876
		31-83174	31-61 TASK 877
		31-83181	31-61 TASK 917
		31-83182	31-61 TASK 918
		31-83183	31-61 TASK 919
		31-83184	31-61 TASK 920
		31-85233	31-98 TASK 801
		34-29101	34-21 TASK 893
		34-29301	34-21 TASK 895
		34-71011	34-61 TASK 905

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
346 311 31	VTK flag shows on ND - captain's.	(continued)	
		34-71012	34-61 TASK 906
		34-71031	34-61 TASK 815
		34-71032	34-61 TASK 889
		34-71060	34-90 TASK 801
346 311 32	VTK flag shows on ND - first officer's.	23-81001	23-91 TASK 801
		23-81003	23-91 TASK 803
		31-50011	31-44 TASK 801
		31-50012	31-44 TASK 802
		31-50091	31-44 TASK 819
		31-50092	31-44 TASK 820
		31-51023	31-44 TASK 865
		31-51024	31-44 TASK 866
		31-51025	31-43 TASK 803
		31-51026	31-43 TASK 804
		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
		31-54013	31-43 TASK 868
		31-54101	31-41 TASK 834
		31-58014	31-43 TASK 873
		31-58102	31-41 TASK 853
		31-68801	31-43 TASK 892
		31-68802	31-43 TASK 893
		31-83171	31-61 TASK 874
		31-83172	31-61 TASK 875
		31-83173	31-61 TASK 876
		31-83174	31-61 TASK 877
		31-83181	31-61 TASK 917
		31-83182	31-61 TASK 918
		31-83183	31-61 TASK 919

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
346 311 32	VTK flag shows on ND - first officer's.	(continued)	
		31-83184	31-61 TASK 920
		31-85234	31-98 TASK 801
		34-29101	34-21 TASK 893
		34-29301	34-21 TASK 895
		34-71011	34-61 TASK 905
		34-71012	34-61 TASK 906
		34-71031	34-61 TASK 815
		34-71032	34-61 TASK 889
		34-71060	34-90 TASK 801
346 480 41	Maintenance memo shows on the MAT: FMCF 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
		24-13801	24-61 TASK 805
		31-50007	31-44 TASK 821
		31-50012	31-44 TASK 802
		31-50092	31-44 TASK 820
		31-51023	31-44 TASK 865
		31-51024	31-44 TASK 866
		31-51026	31-43 TASK 804
		31-51307	31-44 TASK 853
		31-51412	34-61 TASK 914
		31-51414	34-61 TASK 889
		31-51422	34-61 TASK 814
		31-51424	34-61 TASK 889
		31-52013	31-43 TASK 866
		31-52101	31-41 TASK 817
		31-52111	31-41 TASK 819
		31-52121	31-41 TASK 821
		31-52201	31-41 TASK 914
		31-52331	31-41 TASK 914

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346 480 41	Maintenance memo shows on the MAT: FMCF IN LEFT AIMS.	(continued)	
		31-52351	31-41 TASK 914
		31-52371	31-41 TASK 914
		31-52381	31-41 TASK 914
		31-52441	31-41 TASK 914
		31-52451	31-41 TASK 914
		31-52601	31-41 TASK 832
		31-53401	31-41 TASK 832
		31-53701	31-41 TASK 832
		31-53721	31-41 TASK 832
		31-53731	31-41 TASK 832
		31-54013	31-43 TASK 868
		31-54101	31-41 TASK 834
		31-54111	31-41 TASK 836
		31-54121	31-41 TASK 838
		31-54311	31-41 TASK 916
		31-54331	31-41 TASK 916
		31-54351	31-41 TASK 916
		31-54371	31-41 TASK 916
		31-54381	31-41 TASK 916
		31-54441	31-41 TASK 916
		31-54451	31-41 TASK 916
		31-54521	31-43 TASK 854
		31-54601	31-41 TASK 840
		31-55401	31-41 TASK 840
		31-55701	31-41 TASK 840
		31-55711	31-41 TASK 840
		31-55721	31-41 TASK 840
		31-55731	31-41 TASK 840
		31-56013	31-43 TASK 870
		31-56101	31-41 TASK 844
		31-56103	31-41 TASK 990
		31-56111	31-41 TASK 846
		31-56113	31-41 TASK 991
		31-56121	31-41 TASK 848

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346 480 41	Maintenance memo shows on the MAT: FIMCF IN LEFT AIMS.	(continued)	
		31-56231	31-41 TASK 919
		31-56331	31-41 TASK 919
		31-56341	31-41 TASK 919
		31-56391	31-41 TASK 919
		31-56401	31-41 TASK 919
		31-56411	31-41 TASK 919
		31-56461	31-41 TASK 919
		31-56521	31-43 TASK 854
		31-56601	31-41 TASK 842
		31-57291	31-41 TASK 924
		31-57401	31-41 TASK 842
		31-57701	31-41 TASK 842
		31-57711	31-41 TASK 842
		31-57721	31-41 TASK 842
		31-57731	31-41 TASK 842
		31-58013	31-43 TASK 872
		31-58101	31-41 TASK 852
		31-58111	31-41 TASK 854
		31-58121	31-41 TASK 856
		31-58331	31-41 TASK 921
		31-58341	31-41 TASK 921
		31-58391	31-41 TASK 921
		31-58401	31-41 TASK 921
		31-58411	31-41 TASK 921
		31-58461	31-41 TASK 921
		31-58521	31-43 TASK 854
		31-58601	31-41 TASK 992
		31-59291	31-41 TASK 949
		31-59401	31-41 TASK 992
		31-59701	31-41 TASK 858
		31-59711	31-41 TASK 858
		31-59721	31-41 TASK 858
		31-59731	31-41 TASK 858
		31-68802	31-43 TASK 893

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346 480 41	Maintenance memo shows on the MAT: FMCf IN LEFT AIMS.	(continued)	
		34-71012	34-61 TASK 906
		34-71032	34-61 TASK 889
		34-71060	34-90 TASK 801
346 480 42	Maintenance memo shows on the MAT: FMCf IN RIGHT AIMS.	34-71211	34-61 TASK 924
		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
		24-13801	24-61 TASK 805
		31-50008	31-44 TASK 822
		31-50011	31-44 TASK 801
		31-50091	31-44 TASK 819
		31-51023	31-44 TASK 865
		31-51024	31-44 TASK 866
		31-51025	31-43 TASK 803
		31-51308	31-44 TASK 854
		31-51411	34-61 TASK 913
		31-51413	34-61 TASK 815
		31-51421	34-61 TASK 888
		31-51423	34-61 TASK 815
		31-52014	31-43 TASK 867
		31-52102	31-41 TASK 818
		31-52110	31-41 TASK 989
		31-52112	31-41 TASK 820
		31-52114	31-45 TASK 809
		31-52122	31-41 TASK 822
		31-52202	31-41 TASK 915
		31-52332	31-41 TASK 915
		31-52362	31-41 TASK 915
		31-52392	31-41 TASK 915

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346 480 42	Maintenance memo shows on the MAT: FIMCF IN RIGHT AIMS.	(continued)	
		31-52402	31-41 TASK 915
		31-52442	31-41 TASK 915
		31-52462	31-41 TASK 915
		31-52602	31-41 TASK 833
		31-53402	31-41 TASK 833
		31-53702	31-41 TASK 833
		31-53722	31-41 TASK 833
		31-53732	31-41 TASK 833
		31-54014	31-43 TASK 869
		31-54102	31-41 TASK 835
		31-54112	31-41 TASK 837
		31-54122	31-41 TASK 839
		31-54272	31-41 TASK 917
		31-54332	31-41 TASK 917
		31-54362	31-41 TASK 917
		31-54392	31-41 TASK 917
		31-54402	31-41 TASK 917
		31-54442	31-41 TASK 917
		31-54462	31-41 TASK 917
		31-54542	31-43 TASK 821
		31-54602	31-41 TASK 841
		31-55402	31-41 TASK 841
		31-55712	31-41 TASK 841
		31-55722	31-41 TASK 841
		31-55732	31-41 TASK 841
		31-56014	31-43 TASK 871
		31-56102	31-41 TASK 845
		31-56104	31-45 TASK 811
		31-56112	31-41 TASK 847
		31-56114	31-45 TASK 810
		31-56122	31-41 TASK 849
		31-56352	31-41 TASK 920
		31-56372	31-41 TASK 920
		31-56392	31-41 TASK 920

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
346 480 42	Maintenance memo shows on the MAT: FMC/F IN RIGHT AIMS.	(continued)	
		31-56402	31-41 TASK 920
		31-56412	31-41 TASK 920
		31-56442	31-41 TASK 920
		31-56542	31-43 TASK 827
		31-56602	31-41 TASK 843
		31-57292	31-41 TASK 925
		31-57402	31-41 TASK 843
		31-57722	31-41 TASK 843
		31-57732	31-41 TASK 843
		31-58014	31-43 TASK 873
		31-58102	31-41 TASK 853
		31-58112	31-41 TASK 855
		31-58122	31-41 TASK 857
		31-58282	31-41 TASK 922
		31-58352	31-41 TASK 922
		31-58372	31-41 TASK 922
		31-58392	31-41 TASK 922
		31-58402	31-41 TASK 922
		31-58412	31-41 TASK 922
		31-58442	31-41 TASK 922
		31-58542	31-43 TASK 834
		31-58602	31-41 TASK 993
		31-59292	31-41 TASK 950
		31-59402	31-41 TASK 993
		31-59712	31-41 TASK 859
		31-59722	31-41 TASK 859
		31-59732	31-41 TASK 859
		31-68801	31-43 TASK 892
		34-71011	34-61 TASK 905
		34-71031	34-61 TASK 815
		34-71060	34-90 TASK 801
		34-71212	34-61 TASK 925
346 611 41	FMC: CDU light (DSPY, FAIL, MSG, OFST, or EXEC) does not come on when expected - left CDU.		34-61 TASK 868

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
346 611 42	FMC: CDU light (DSPY, FAIL, MSG, OFST, or EXEC) does not come on when expected - right CDU.		34-61 TASK 868
346 611 43	FMC: CDU light (DSPY, FAIL, MSG, OFST, or EXEC) does not come on when expected - center CDU.		34-61 TASK 868
346 621 41	FMC: CDU alphanumeric key does not operate when pushed - left CDU.		34-61 TASK 869
346 621 42	FMC: CDU alphanumeric key does not operate when pushed - right CDU.		34-61 TASK 869
346 621 43	FMC: CDU alphanumeric key does not operate when pushed - center CDU.		34-61 TASK 869
346 622 41	FMC: CDU mode/function key does not operate when pushed - left CDU.		34-61 TASK 870
346 622 42	FMC: CDU mode/function key does not operate when pushed - right CDU.		34-61 TASK 870
346 622 43	FMC: CDU mode/function key does not operate when pushed - center CDU.		34-61 TASK 870
346 641 41	FMC: CDU line select key does not operate when pushed - left CDU.		34-61 TASK 871
346 641 42	FMC: CDU line select key does not operate when pushed - right CDU.		34-61 TASK 871
346 641 43	FMC: CDU line select key does not operate when pushed - center CDU.		34-61 TASK 871
346 661 41	FMC: CDU brightness control problem - left CDU.		34-61 TASK 872
346 661 42	FMC: CDU brightness control problem - right CDU.		34-61 TASK 872
346 661 43	FMC: CDU brightness control problem - center CDU.		34-61 TASK 872
346 662 41	FMC: CDU display is dim or out of focus - left CDU.		34-61 TASK 873
346 662 42	FMC: CDU display is dim or out of focus - right CDU.		34-61 TASK 873
346 662 43	FMC: CDU display is dim or out of focus - center CDU.		34-61 TASK 873
346 663 41	FMC: CDU display blank - left CDU.		34-61 TASK 874
346 663 42	FMC: CDU display blank - right CDU.		34-61 TASK 874
346 663 43	FMC: CDU display blank - center CDU.		34-61 TASK 874
346 671 48	FMC: FMC data missing from both PFDs and NDs.		34-61 TASK 939

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
346 672 41	FMC: FMC data on CDU is missing or incorrect - left CDU.		34-61 TASK 939
346 672 42	FMC: FMC data on CDU is missing or incorrect - right CDU.		34-61 TASK 939
346 673 00	TO 1 and TO 2 indication on THRUST LIM page of CDU: TO 1 and TO 2 values show 0% instead of the derate percentages on AIRLINE POLICY page.		34-61 TASK 946
346 691 31	Command speed display on PFD: does not agree with speed in IAS/MACH window on mode control panel - captain's.		34-61 TASK 940
346 691 32	Command speed display on PFD: does not agree with speed in IAS/MACH window on mode control panel - first officer's.		34-61 TASK 940
346 691 48	Command speed display on PFD: does not agree with speed in IAS/MACH window on mode control panel - captain's and first officer's.		34-61 TASK 940
346 692 31	Command speed display on PFD: does not agree with speed computed by FMC on mode control panel - captain's.		34-61 TASK 941
346 692 32	Command speed display on PFD: does not agree with speed computed by FMC on mode control panel - first officer's.		34-61 TASK 941
346 692 48	Command speed display on PFD: does not agree with speed computed by FMC on mode control panel - captain's and first officer's.		34-61 TASK 941
346 693 31	Command speed display on PFD: blank - captain's.		34-61 TASK 942
346 693 32	Command speed display on PFD: blank - first officer's.		34-61 TASK 942

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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
34-10050	Air Data Module (Standby Static) signal is out of range or invalid.	34-13 TASK 807
34-10052	Air Data Module (Standby Static) signal is out of range or invalid.	34-13 TASK 808
34-10053	Air Data Module (Standby Static) signal is out of range or invalid.	34-13 TASK 809
34-10061	Secondary Attitude Air Data Reference Unit signal is out of range or invalid.	34-21 TASK 801
34-10062	Air Data Module (Standby Pitot) signal is out of range or invalid.	34-13 TASK 810
34-10080	Integrated Standby Flight Display program pins are incorrect.	34-24 TASK 806
34-10081	IRS Heading Input (AIMS-L) is out of range or invalid.	34-24 TASK 807
34-10082	Integrated Standby Flight Display has no input from L-AIMS on AIMS High Speed IRS Bus.	34-24 TASK 808
34-10083	Integrated Standby Flight Display has faulted its input from ADM (standby static) on SADM Data input #1.	34-24 TASK 809
34-10084	Standby Air Data Module has an internal fault.	34-24 TASK 810
34-10085	Integrated Standby Flight Display has no input from ADM(Standby Pitot) on ADM Data Input #1(Pitot).	34-24 TASK 811
34-10086	Integrated Standby Flight Display has an internal fault.	34-24 TASK 813
34-10087	Standby Air Data Module has an internal fault.	34-24 TASK 815
34-10088	Integrated Stand by Flight Display has faulted its input From MMR center on MMR data input #1.	34-24 TASK 817
34-18891	Standby Attitude Indicator or ISFD has no output on Standby Attitude CMC ARINC 429 Bus.	34-24 TASK 804
34-18892	Standby Airspeed Indicator or ISFD has no output on Standby Airspeed CMC ARINC 429 Bus.	34-13 TASK 818
34-18893	Standby Altimeter or ISFD has no output on Standby Altitude CMC ARINC 429 Bus.	34-13 TASK 819
34-18894	Air Data Module (Standby Static) has no output on SADM Averaged Static ARINC 429 Bus.	34-13 TASK 813
34-20000*	Air Data Inertial Reference Unit has an internal fault.	34-21 TASK 802
34-20010	Air Data Inertial Reference Unit has an internal fault.	34-21 TASK 802
34-20011	Air Data Inertial Reference Unit has an ARINC 629 fault.	34-21 TASK 803
34-20012	Air Data Inertial Reference Unit has an ARINC 629 fault.	34-21 TASK 830
34-20013	Air Data Inertial Reference Unit has an ARINC 629 fault.	34-21 TASK 831
34-20030	ADIRU On/Off Switch in P5 signals do not agree.	34-21 TASK 804

*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
34-20031	Air Data Inertial Reference Unit left primary power is not available.	34-21 TASK 805
34-20032	Air Data Inertial Reference Unit center primary power is not available.	34-21 TASK 832
34-20033	Air Data Inertial Reference Unit right primary power is not available.	34-21 TASK 833
34-20060	Air Data Inertial Reference Unit operational program configuration (OPC) does not agree with airplane type signal from AIMS (left) and AIMS (right).	34-21 TASK 806
34-20071	Air Data Inertial Reference Unit has an ARINC 629 fault.	34-21 TASK 807
34-20072	Air Data Inertial Reference Unit has an ARINC 629 fault.	34-21 TASK 834
34-20073	Air Data Inertial Reference Unit has an ARINC 629 fault.	34-21 TASK 835
34-20081	Air Data Inertial Reference Unit left battery power is not available.	34-21 TASK 836
34-20082	Air Data Inertial Reference Unit center battery power is not available.	34-21 TASK 837
34-20083	Air Data Inertial Reference Unit right battery power is not available.	34-21 TASK 838
34-25101*	AIMS-2, CMCF LDI 3114-BCG-00W-16; Air Data Module (Left Pitot) Pressure signal does not agree with Pressure signals from Air Data Module (Center Pitot) and Air Data Module (Right Pitot). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Air Data Module (Left Pitot) pressure signal does not agree with pressure signals from Air Data Module (Center Pitot) and Air Data Module (Right Pitot).	34-11 TASK 801
34-25102*	AIMS-2, CMCF LDI 3114-BCG-00W-16; Air Data Module (Center Pitot) Pressure signal does not agree with Pressure signals from Air Data Module (Left Pitot) and Air Data Module (Right Pitot). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Air Data Module (Center Pitot) pressure signal does not agree with pressure signals from Air Data Module (Left Pitot) and Air Data Module (Right Pitot).	34-11 TASK 802

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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
34-25103*	AIMS-2, CMCF LDI 3114-BCG-00W-16; Air Data Module (Right Pitot) Pressure signal does not agree with Pressure signals from Air Data Module (Left Pitot) and Air Data Module (Center Pitot). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Air Data Module (Right Pitot) pressure signal does not agree with pressure signals from Air Data Module (Left Pitot) and Air Data Module (Center Pitot).	34-11 TASK 803
34-25201*	AIMS-2, CMCF LDI 3114-BCG-00W-16; Air Data Module (Left Static) Pressure signal does not agree with Pressure signals from Air Data Module (Center Static) and Air Data Module (Right Static). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Air Data Module (Left Static) pressure signal does not agree with pressure signals from Air Data Module (Center Static) and Air Data Module (Right Static).	34-11 TASK 804
34-25202*	AIMS-2, CMCF LDI 3114-BCG-00W-16; Air Data Module (Center Static) Pressure signal does not agree with Pressure signals from Air Data Module (Left Static) and Air Data Module (Right Static). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Air Data Module (Center Static) pressure signal does not agree with pressure signals from Air Data Module (Left Static) and Air Data Module (Right Static).	34-11 TASK 805
34-25203*	AIMS-2, CMCF LDI 3114-BCG-00W-16; Air Data Module (Right Static) Pressure signal does not agree with Pressure signals from Air Data Module (Left Static) and Air Data Module (Center Static). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Air Data Module (Right Static) pressure signal does not agree with pressure signals from Air Data Module (Left Static) and Air Data Module (Center Static).	34-11 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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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
34-25601*	Angle of Attack Sensor (Left) does not agree with signal from Angle of Attack Sensor (Right).	34-21 TASK 808
34-25603*	Angle of Attack Sensor (Right) does not agree with signal from AOA Sensor (Left).	34-21 TASK 885
34-25800*	Total Air Temperature signals from TAT Probe Element #1 and TAT Probe Element #2 do not agree.	34-21 TASK 809
34-26101*	Air Data Module (Left Pitot) has an internal fault.	34-21 TASK 810
34-26102*	Air Data Module (Center Pitot) has an internal fault.	34-21 TASK 839
34-26103*	Air Data Module (Right Pitot) has an internal fault.	34-21 TASK 840
34-26111	Air Data Module (Left Pitot) has an ARINC 629 fault.	34-21 TASK 811
34-26112	Air Data Module (Center Pitot) has an ARINC 629 fault.	34-21 TASK 841
34-26113	Air Data Module (Right Pitot) has an ARINC 629 fault.	34-21 TASK 842
34-26201*	Air Data Module (Left Static) has an internal fault.	34-21 TASK 843
34-26202*	Air Data Module (Center Static) has an internal fault.	34-21 TASK 844
34-26203*	Air Data Module (Right Static) has an internal fault.	34-21 TASK 845
34-26211	Air Data Module (Left Static) has an ARINC 629 fault.	34-21 TASK 812
34-26212	Air Data Module (Center Static) has an ARINC 629 fault.	34-21 TASK 846
34-26213	Air Data Module (Right Static) has an ARINC 629 fault.	34-21 TASK 847
34-28801*	Air Data Inertial Reference Unit has no output on any bus.	34-21 TASK 848
34-28810*	Air Data Inertial Reference Unit has no output on Flight Controls ARINC 629 Bus (left).	34-21 TASK 849
34-28813*	Air Data Module (Left Pitot) has no output on Flight Controls ARINC 629 Bus (left).	34-21 TASK 813
34-28816*	Air Data Module (Left Static) has no output on Flight Controls ARINC 629 Bus (left).	34-21 TASK 814
34-28824*	Air Data Module (Center Pitot) has no output on Flight Controls ARINC 629 Bus (center).	34-21 TASK 850
34-28827*	Air Data Module (Center Static) has no output on Flight Controls ARINC 629 Bus (center).	34-21 TASK 851
34-28830*	Air Data Inertial Reference Unit has no output on Flight Controls ARINC 629 Bus (right).	34-21 TASK 852
34-28835*	Air Data Module (Right Pitot) has no output on Flight Controls ARINC 629 Bus (right).	34-21 TASK 853
34-28838*	Air Data Module (Right Static) has no output on Flight Controls ARINC 629 Bus (right).	34-21 TASK 854

*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
34-29101*	AIMS-2, CMCF LDI 3114-BCG-00W-16; Air Data Inertial Reference Unit has no input from Any LRU on Flight Controls ARINC 629 Bus (left). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Air Data Inertial Reference Unit has no input from any LRU on Flight Controls ARINC 629 Bus (left).	34-21 TASK 893
34-29102*	Air Data Inertial Reference Unit has no input from Air Data Module (Left Pitot) on Flight Controls ARINC 629 Bus (left).	34-21 TASK 815
34-29105*	Air Data Inertial Reference Unit has no input from Air Data Module (Left Static) on Flight Controls ARINC 629 Bus (left).	34-21 TASK 816
34-29107*	Air Data Inertial Reference Unit has no input from Left AIMS on Flight Controls ARINC 629 Bus (left).	34-21 TASK 817
34-29109	Air Data Module (Left Pitot) has no input from Air Data Inertial Reference Unit on Flight Controls ARINC 629 Bus (left).	34-21 TASK 855
34-29113	Air Data Inertial Reference Unit has no input from Primary Flight Computer (left) on Flight Controls ARINC 629 Bus (left).	34-21 TASK 856
34-29115*	Air Data Module (Left Pitot) has no input from Primary Flight Computer (left) on Flight Controls ARINC 629 Bus (left).	34-21 TASK 857
34-29120*	Air Data Inertial Reference Unit has an ARINC 629 fault.	34-21 TASK 894
34-29201*	AIMS-2, CMCF LDI 3114-BCG-00W-16; Air Data Inertial Reference Unit has no input from Any LRU on Flight Controls ARINC 629 Bus (center). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Air Data Inertial Reference Unit has no input from any LRU on Flight Controls ARINC 629 Bus (center).	34-21 TASK 858
34-29202*	Air Data Inertial Reference Unit has no input from Air Data Module (Center Pitot) on Flight Controls ARINC 629 Bus (center).	34-21 TASK 859
34-29204*	Air Data Inertial Reference Unit has no input from Air Data Module (Center Static) on Flight Controls ARINC 629 Bus (center).	34-21 TASK 860
34-29214	Air Data Inertial Reference Unit has no input from Primary Flight Computer (center) on Flight Controls ARINC 629 Bus (center).	34-21 TASK 861
34-29216*	Air Data Module (Center Pitot) has no input from Primary Flight Computer (center) on Flight Controls ARINC 629 Bus (center).	34-21 TASK 862

*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
34-29222	Air Data Module (Center Pitot) has no input from Secondary Attitude Air Data Reference Unit on Flight Controls ARINC 629 Bus (center).	34-21 TASK 863
34-29301*	AIMS-2, CMCF LDI 3114-BCG-00W-16; Air Data Inertial Reference Unit has no input from Any LRU on Flight Controls ARINC 629 Bus (right). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Air Data Inertial Reference Unit has no input from any LRU on Flight Controls ARINC 629 Bus (right).	34-21 TASK 895
34-29303*	Air Data Inertial Reference Unit has no input from Air Data Module (Right Pitot) on Flight Controls ARINC 629 Bus (right).	34-21 TASK 864
34-29306*	Air Data Inertial Reference Unit has no input from Air Data Module (Right Static) on Flight Controls ARINC 629 Bus (right).	34-21 TASK 865
34-29308*	Air Data Inertial Reference Unit has no input from Right AIMS on Flight Controls ARINC 629 Bus (right).	34-21 TASK 866
34-29311	Air Data Module (Right Pitot) has no input from Air Data Inertial Reference Unit on Flight Controls ARINC 629 Bus (right).	34-21 TASK 867
34-29315	Air Data Inertial Reference Unit has no input from Primary Flight Computer (right) on Flight Controls ARINC 629 Bus (right).	34-21 TASK 868
34-29317*	Air Data Module (Right Pitot) has no input from Primary Flight Computer (right) on Flight Controls ARINC 629 Bus (right).	34-21 TASK 869
34-29320*	Air Data Inertial Reference Unit has an ARINC 629 fault.	34-21 TASK 896
34-30700*	Secondary Attitude Air Data Reference Unit has an internal fault.	34-21 TASK 870
34-30711*	Secondary Attitude Air Data Reference Unit has an ARINC 629 fault.	34-21 TASK 818
34-30712*	Secondary Attitude Air Data Reference Unit has an ARINC 629 fault.	34-21 TASK 871
34-30713*	Secondary Attitude Air Data Reference Unit has an ARINC 629 fault.	34-21 TASK 872
34-30720	Secondary Attitude Air Data Reference Unit is degraded.	34-21 TASK 902
34-30760*	Secondary Attitude Air Data Reference Unit has incorrect software configuration.	34-21 TASK 819
34-30780	Secondary Attitude Air Data Reference Unit has an ARINC 429 output fault.	34-21 TASK 820
34-31601*	AOA Sensor (Left) has no output.	34-21 TASK 821
34-32601*	AOA Sensor (Left) has no output.	34-21 TASK 822

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34-32803*	TAT Probe (Right) has no output.	34-21 TASK 822
34-33800*	TAT Probe has no output.	34-21 TASK 886
34-34603*	AOA Sensor (Right) has no output.	34-21 TASK 887
34-35603*	AOA Sensor (Right) has no output.	34-21 TASK 888
34-36800*	TAT Probe has no output.	34-21 TASK 890
34-38310*	Secondary Attitude Air Data Reference Unit operational program configuration (OPC) does not agree with airplane type signal from AIMS (left) and AIMS (right).	34-21 TASK 819
34-38801*	Secondary Attitude Air Data Reference Unit has no output on any bus.	34-21 TASK 874
34-38820*	Secondary Attitude Air Data Reference Unit has no output on Flight Controls ARINC 629 Bus (center).	34-21 TASK 898
34-39101*	AIMS-2, CMCF LDI 3114-BCG-00W-16; Secondary Attitude Air Data Reference Unit has no input from Any LRU on Flight Controls ARINC 629 Bus (left). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Secondary Attitude Air Data Reference Unit has no input from any LRU on Flight Controls ARINC 629 Bus (left).	34-21 TASK 825
34-39103*	Secondary Attitude Air Data Reference Unit has no input from Air Data Module (Left Pitot) on Flight Controls ARINC 629 Bus (left).	34-21 TASK 826
34-39106*	Secondary Attitude Air Data Reference Unit has no input from Air Data Module (Left Static) on Flight Controls ARINC 629 Bus (left).	34-21 TASK 827
34-39111*	Secondary Attitude Air Data Reference Unit has no input from Left AIMS on Flight Controls ARINC 629 Bus (left).	34-21 TASK 828
34-39115	Secondary Attitude Air Data Reference Unit has no input from Primary Flight Computer (left) on Flight Controls ARINC 629 Bus (left).	34-21 TASK 875
34-39118*	Secondary Attitude Air Data Reference Unit has no input from Air Data Inertial Reference Unit on Flight Controls ARINC 629 Bus (left).	34-21 TASK 829

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34-39201*	AIMS-2, CMCF LDI 3114-BCG-00W-16; Secondary Attitude Air Data Reference Unit has no input from Any LRU on Flight Controls ARINC 629 Bus (center). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Secondary Attitude Air Data Reference Unit has no input from any LRU on Flight Controls ARINC 629 Bus (center).	34-21 TASK 871
34-39204*	Secondary Attitude Air Data Reference Unit has no input from Air Data Module (Center Pitot) on Flight Controls ARINC 629 Bus (center).	34-21 TASK 876
34-39207*	Secondary Attitude Air Data Reference Unit has no input from Air Data Module (Center Static) on Flight Controls ARINC 629 Bus (center).	34-21 TASK 877
34-39216	Secondary Attitude Air Data Reference Unit has no input from Primary Flight Computer (center) on Flight Controls ARINC 629 Bus (center).	34-21 TASK 878
34-39301*	AIMS-2, CMCF LDI 3114-BCG-00W-16; Secondary Attitude Air Data Reference Unit has no input from Any LRU on Flight Controls ARINC 629 Bus (right). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Secondary Attitude Air Data Reference Unit has no input from any LRU on Flight Controls ARINC 629 Bus (right).	34-21 TASK 879
34-39305*	Secondary Attitude Air Data Reference Unit has no input from Air Data Module (Right Pitot) on Flight Controls ARINC 629 Bus (right).	34-21 TASK 880
34-39308*	Secondary Attitude Air Data Reference Unit has no input from Air Data Module (Right Static) on Flight Controls ARINC 629 Bus (right).	34-21 TASK 881
34-39312*	Secondary Attitude Air Data Reference Unit has no input from Right AIMS on Flight Controls ARINC 629 Bus (right).	34-21 TASK 882
34-39317	Secondary Attitude Air Data Reference Unit has no input from Primary Flight Computer (right) on Flight Controls ARINC 629 Bus (right).	34-21 TASK 883
34-39318*	Secondary Attitude Air Data Reference Unit has no input from Air Data Inertial Reference Unit on Flight Controls ARINC 629 Bus (right).	34-21 TASK 884
34-42011*	Radio Altimeter Transceiver (left) has an internal fault.	34-33 TASK 801
34-42012*	Radio Altimeter Transceiver (center) has an internal fault.	34-33 TASK 801

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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
34-42013*	Radio Altimeter Transceiver (right) has an internal fault.	34-33 TASK 801
34-42021*	Radio Altimeter Receive Antenna (left) circuit is open.	34-33 TASK 802
34-42022*	Radio Altimeter Receive Antenna (center) circuit is open.	34-33 TASK 812
34-42023*	Radio Altimeter Receive Antenna (right) circuit is open.	34-33 TASK 813
34-42031*	Radio Altimeter Transmit Antenna (left) circuit is open.	34-33 TASK 814
34-42032*	Radio Altimeter Transmit Antenna (center) circuit is open.	34-33 TASK 815
34-42033*	Radio Altimeter Transmit Antenna (right) circuit is open.	34-33 TASK 816
34-42041*	Radio Altimeter Transceiver (left) signal is out of range.	34-33 TASK 826
34-42042*	Radio Altimeter Transceiver (center) signal is out of range.	34-33 TASK 827
34-42043*	Radio Altimeter Transceiver (right) signal is out of range.	34-33 TASK 828
34-42801*	Radio Altimeter Transceiver (left) has no output on any bus.	34-33 TASK 801
34-42802*	Radio Altimeter Transceiver (center) has no output on any bus.	34-33 TASK 801
34-42803*	Radio Altimeter Transceiver (right) has no output on any bus.	34-33 TASK 801
34-42891*	Radio Altimeter Transceiver (left) has no output on Bus 1 (429).	34-33 TASK 803
34-42892*	Radio Altimeter Transceiver (center) has no output on Bus 1 (429).	34-33 TASK 804
34-42893*	Radio Altimeter Transceiver (right) has no output on Bus 1 (429).	34-33 TASK 805
34-42894	Radio Altimeter Transceiver (left) has no output on Bus 2 (429).	34-33 TASK 806
34-42896	Radio Altimeter Transceiver (right) has no output on Bus 2 (429).	34-33 TASK 807
34-44031*	WXR Antenna drive is not connected or failed.	34-43 TASK 821
34-44032*	WXR Antenna drive is not connected or failed.	34-43 TASK 822
34-44891*	AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; WXR Transceiver (left) has no output on WXR Maint Data In ARINC 429 Bus. AIMS-1, CPM/Comm OPS S/W 3160-HNP-002-17; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Transceiver or Radar Processor (Left) has no output on WXR Maint Data In ARINC 429 Bus. AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Transceiver or Radar Processor (left) has no output on WXR Maint Data In ARINC 429 Bus.	34-43 TASK 818

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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
34-44892*	AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; WXR Transceiver (right) has no output on WXR RT Maint ARINC 429 Bus. AIMS-1, CPM/Comm OPS S/W 3160-HNP-002-17; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Transceiver or Radar Processor (Right) has no output on WXR RT Maint ARINC 429 Bus. AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Transceiver or Radar Processor (right) has no output on WXR RT Maint ARINC 429 Bus.	34-43 TASK 819
34-45010	AIMS-2, CMCF LDI 3114-BCG-00W-16; AIMS-2, CMCF LDI 3117-BCG-00W-15; TCAS Computer has an internal fault, or has incorrect software configuration. AIMS-1, CPM/Comm OPS S/W 3160-HNP-002-17; AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; TCAS Computer has an internal fault.	34-45 TASK 801
34-45020	TCAS Directional Antenna (top) is open, shorted, or connected incorrectly.	34-45 TASK 802
34-45030	TCAS Directional Antenna (bottom) is open, shorted, or connected incorrectly.	34-45 TASK 803
34-45040	ADS-B In fails due to degradation or loss of required inputs.	34-53 TASK 839
34-45801	TCAS Computer has no output on any bus.	34-45 TASK 806
34-45810	Display Function in Left AIMS has a discrete input fault.	34-45 TASK 822
34-45820	Display Function in Right AIMS has a discrete input fault.	34-45 TASK 823
34-45891	TCAS Computer has no output on TA/RA 1 Out Bus (429).	34-45 TASK 807
34-45892	TCAS Computer has no output on TA/RA 2 Out Bus (429).	34-45 TASK 808
34-45895	TCAS Computer has no output on CMC Out Bus (429).	34-45 TASK 811
34-46010	GND PROX FLAP Switch is closed for more than 60 seconds.	34-46 TASK 801
34-46020	GND PROX GEAR Switch is closed for more than 60 seconds.	34-46 TASK 808
34-46030	GND PROX G/S Switch is closed for more than 15 seconds on the ground.	34-46 TASK 809
34-46040	Ground Proximity Warning Computer has a program pin fault.	34-46 TASK 810
34-46050*	Ground Proximity Warning Computer has an internal fault.	34-46 TASK 802
34-46060*	Terrain Relays (captain) are not in commanded position.	34-46 TASK 826
34-46070*	Terrain Relays (first officer) are not in commanded position.	34-46 TASK 827

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34-46080	RUNWAY Configuration Database not loaded or invalid for airplane type.	34-46 TASK 834
34-46081	RUNWAY Override switch is failed.	34-46 TASK 837
34-46082	Runway/Airport not in Database.	34-46 TASK 833
34-46891*	Ground Proximity Warning Computer has no output on GPWC Output ARINC 429 Bus -A1.	34-46 TASK 803
34-47011	VOR/MB Receiver (left) VOR Function has an internal fault.	34-51 TASK 801
34-47013	VOR/MB Receiver (right) VOR Function has an internal fault.	34-51 TASK 802
34-47021	VOR/MB Receiver (left) Marker Beacon Function has an internal fault.	34-32 TASK 801
34-47031	VOR/MB Receiver (left) has no input from Right AIMS on FREQ/FUNCTION SELECT DATA Bus.	34-51 TASK 803
34-47033	VOR/MB Receiver (right) has no input from Right AIMS on FREQ/FUNCTION SELECT DATA Bus.	34-51 TASK 804
34-47041	VOR/MB Receiver (left) has no input from Control Display Unit (L) on NAVAID TUNE - L Bus.	34-51 TASK 813
34-47043	VOR/MB Receiver (right) has no input from Control Display Unit (R) on NAVAID TUNE - R Bus.	34-51 TASK 814
34-47801	VOR/MB Receiver (left) has no output on any bus.	34-51 TASK 805
34-47802	VOR/MB Receiver (right) has no output on any bus.	34-51 TASK 806
34-48011	ATC/Mode S Transponder (left) has an internal fault.	34-53 TASK 801
34-48012	ATC/Mode S Transponder (right) has an internal fault.	34-53 TASK 802
34-48020	ATC Antenna (top) circuit is open.	34-53 TASK 803
34-48021	ATC Antenna (top) circuit is open.	34-53 TASK 804
34-48022	ATC Antenna (top) circuit is open.	34-53 TASK 805
34-48030	ATC Antenna (bottom) circuit is open.	34-53 TASK 806
34-48031	ATC Antenna (bottom) circuit is open.	34-53 TASK 807
34-48032	ATC Antenna (bottom) circuit is open.	34-53 TASK 808
34-48801	ATC/Mode S Transponder (left) has no output on any bus.	34-53 TASK 809
34-48802	ATC/Mode S Transponder (right) has no output on any bus.	34-53 TASK 810
34-48803	ATC/TCAS Control Panel has no output on any bus.	34-53 TASK 811
34-48891	ATC/Mode S Transponder (left) has no output on XT Coord 1 Bus (429).	34-53 TASK 812
34-48892	ATC/Mode S Transponder (right) has no output on CMC Output ARINC 429 Bus.	34-53 TASK 813
34-48893	ATC/Mode S Transponder (left) has no output on CMC Output ARINC 429 Bus.	34-53 TASK 814

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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
34-48894	AIMS-2, CMCF LDI 3114-BCG-00W-16; ATC/Mode S Transponder (right) has no output on XT COORD 2 Bus (429). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; ATC/Mode S Transponder (right) has no output on XT Coord 2 Bus (429).	34-53 TASK 833
34-49011	DME Interrogator (left) has an internal fault.	34-55 TASK 801
34-49013	DME Interrogator (right) has an internal fault.	34-55 TASK 802
34-49021	DME Interrogator (left) has no input from Right AIMS on NAVAID TUNE-L Bus.	34-55 TASK 811
34-49023	DME Interrogator (right) has no input from Right AIMS on NAVAID TUNE-R Bus.	34-55 TASK 812
34-49031	DME Interrogator (left) has no input from Control Display Unit (L) on NAVAID TUNE - L Bus.	34-55 TASK 813
34-49033	DME Interrogator (right) has no input from Control Display Unit (R) on NAVAID TUNE - R Bus.	34-55 TASK 814
34-49801	DME Interrogator (left) has no output on any bus.	34-55 TASK 803
34-49802	DME Interrogator (right) has no output on any bus.	34-55 TASK 804
34-49900	DME Interrogator (left) has no input from Left AIMS on CMC Data In Bus (429).	34-55 TASK 809
34-49901	DME Interrogator (right) has no input from Left AIMS on CMC Data In Bus (429).	34-55 TASK 810
34-49910	Radio Altimeter Transceiver (left) has no input from Left AIMS on ARINC 429 Rec Bus.	34-33 TASK 808
34-49911	Radio Altimeter Transceiver (center) has no input from Left AIMS on ARINC 429 Rec Bus.	34-33 TASK 809
34-49912	Radio Altimeter Transceiver (right) has no input from Left AIMS on ARINC 429 Rec Bus.	34-33 TASK 810
34-49925*	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Transceiver (Left) has no input from Left AIMS on General Purpose 2 Left LS Bus (AIMS-L). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Transceiver (left) has no input from Left AIMS on General Purpose 2 Left LS Bus (AIMS-L).	34-43 TASK 814

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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
34-49926*	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Transceiver (Right) has no input from Left AIMS on General Purpose 2 Left LS Bus (AIMS-L). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Transceiver (right) has no input from Left AIMS on General Purpose 2 Left LS Bus (AIMS-L).	34-43 TASK 815
34-49928*	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Transceiver (Left) has no input from Right AIMS on General Purpose 2 Right LS Bus (AIMS-R). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Transceiver (left) has no input from Right AIMS on General Purpose 2 Right LS Bus (AIMS-R).	34-43 TASK 816
34-49929*	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Transceiver (Right) has no input from Right AIMS on General Purpose 2 Right LS Bus (AIMS-R). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Transceiver (right) has no input from Right AIMS on General Purpose 2 Right LS Bus (AIMS-R).	34-43 TASK 817
34-49931	TCAS Computer has no input from ATC/Mode S Transponder (left) on XT COORD 1 Bus (429).	34-45 TASK 819
34-49932	TCAS Computer has no input from ATC/Mode S Transponder (right) on XT COORD 2 Bus (429).	34-45 TASK 820
34-49934	TCAS Computer has no input from Left AIMS on CMC In ARINC 429 Bus.	34-45 TASK 812
34-49937	TCAS Computer has no input from Left AIMS on IRS In Bus (429).	34-45 TASK 824
34-49940	TCAS Computer has no input from Radio Altimeter Transceiver (left) on RA 2 In Bus (429).	34-45 TASK 813
34-49943	TCAS Computer has no input from Radio Altimeter Transceiver (right) on RA 2 In Bus (429).	34-45 TASK 814
34-49946	Ground Proximity Warning Computer has no input from Left AIMS on CMCS Center Bus.	34-46 TASK 804
34-49949*	Ground Proximity Warning Computer has no input from Left AIMS on General Purpose #1 Bus (AIMS-L).	34-46 TASK 805

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34-49952*	Ground Proximity Warning Computer has no input from Right AIMS on General Purpose #1 Bus (AIMS-R).	34-46 TASK 811
34-49955	Ground Proximity Warning Computer has no input from Left AIMS on General Purpose #3 Bus (AIMS-L).	34-46 TASK 812
34-49958	Ground Proximity Warning Computer has no input from Right AIMS on General Purpose #3 Bus (AIMS-R).	34-46 TASK 813
34-49959*	AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Ground Proximity Warning Computer has no input from Multi-Mode Receiver (left) on ARINC 429 Bus. AIMS-2, CMCF LDI 3114-BCG-00W-16; Ground Proximity Warning Computer has no input from Multi-Mode Receiver (left) on ARINC 429 bus.	34-46 TASK 819
34-49960*	AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Ground Proximity Warning Computer has no input from Multi-Mode Receiver (right) on ARINC 429 Bus. AIMS-2, CMCF LDI 3114-BCG-00W-16; Ground Proximity Warning Computer has no input from Multi-Mode Receiver (right) on ARINC 429 bus.	34-46 TASK 820
34-49961	Ground Proximity Warning Computer has no input from Left AIMS on Inertial Reference Bus (AIMS-L).	34-46 TASK 806
34-49963	AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; Ground Proximity Warning Computer has no input from WXR Transceiver (left) on ARINC 429 Bus. AIMS-1, CPM/Comm OPS S/W 3160-HNP-002-17; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Ground Proximity Warning Computer has no input from WXR Transceiver or Radar Processor (left) on ARINC 429 Bus. AIMS-2, CMCF LDI 3114-BCG-00W-16; Ground Proximity Warning Computer has no input from WXR Transceiver or Radar Processor (left) on ARINC 429 bus.	34-46 TASK 823
34-49964	Ground Proximity Warning Computer has no input from Right AIMS on Inertial Reference Bus (AIMS-R).	34-46 TASK 814

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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
34-49966	AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; Ground Proximity Warning Computer has no input from WXR Transceiver (right) on ARINC 429 Bus. AIMS-1, CPM/Comm OPS S/W 3160-HNP-002-17; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Ground Proximity Warning Computer has no input from WXR Transceiver or Radar Processor (right) on ARINC 429 Bus. AIMS-2, CMCF LDI 3114-BCG-00W-16; Ground Proximity Warning Computer has no input from WXR Transceiver or Radar Processor (right) on ARINC 429 bus.	34-46 TASK 824
34-49967	Ground Proximity Warning Computer has no input from ILS Receiver (left) on ILS Output #2 Bus.	34-46 TASK 807
34-49968	Ground Proximity Warning Computer has no input from Multi-Mode Receiver (left) on ILS Output #2 Bus.	34-46 TASK 825
34-49970	Ground Proximity Warning Computer has no input from Radio Altimeter Transceiver (left) on Altitude #2 Bus.	34-46 TASK 816
34-49972	Ground Proximity Warning Computer has no input from Radio Altimeter Transceiver (center) on Altitude #2 Bus.	34-46 TASK 818
34-49973	Ground Proximity Warning Computer has no input from Radio Altimeter Transceiver (right) on Altitude #2 Bus.	34-46 TASK 815
34-49976	VOR/MB Receiver (left) has no input from Left AIMS on CMCS Data Input Bus (429).	34-51 TASK 811
34-49977	VOR/MB Receiver (right) has no input from Left AIMS on CMCS Data Input Bus (429).	34-51 TASK 812
34-49982	ATC/Mode S Transponder (left) has no input from Left AIMS on CMCS Input ARINC 429 Bus.	34-53 TASK 817
34-49983	ATC/Mode S Transponder (right) has no input from Left AIMS on CMCS Input ARINC 429 Bus.	34-53 TASK 818
34-49985	ATC/Mode S Transponder (left) has no input from Left AIMS on ADLP (DCMF) In Bus (429).	34-53 TASK 819
34-49986	ATC/Mode S Transponder (right) has no input from Right AIMS on ADLP (DCMF) In Bus (429).	34-53 TASK 820
34-49988	ATC/Mode S Transponder (left) has no input from Left AIMS on ADC Input 1 Bus (429).	34-53 TASK 821
34-49989	ATC/Mode S Transponder (right) has no input from Right AIMS on ADC Input 1 Bus (429).	34-53 TASK 822
34-49991	ATC/Mode S Transponder (left) has no input from Right AIMS on ADC Input 2 Bus (429).	34-53 TASK 823

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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
34-49992	ATC/Mode S Transponder (right) has no input from Left AIMS on ADC Input 2 Bus (429).	34-53 TASK 824
34-49994	ATC/Mode S Transponder (left) has no input from ATC/TCAS Control Panel on Cont Data In Bus (429).	34-53 TASK 825
34-49995	ATC/Mode S Transponder (right) has no input from ATC/TCAS Control Panel on Cont Data In Bus (429).	34-53 TASK 826
34-49997	AIMS-2, CMCF LDI 3114-BCG-00W-16; ATC/Mode S Transponder (left) has no input from TCAS Computer on XT COORD 1 Bus (429). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; ATC/Mode S Transponder (left) has no input from TCAS Computer on XT Coord 1 Bus (429).	34-53 TASK 827
34-49998	AIMS-2, CMCF LDI 3114-BCG-00W-16; ATC/Mode S Transponder (right) has no input from TCAS Computer on XT COORD 2 Bus (429). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; ATC/Mode S Transponder (right) has no input from TCAS Computer on XT Coord 2 Bus (429).	34-53 TASK 828
34-50001	WXR Radar Processor (left) has no input from Left AIMS on Maint Data LS Bus (429).	34-43 TASK 845
34-50002	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Radar Processor (Right) has no input from Left AIMS on Maint Data LS Bus (429). AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Radar Processor (right) has no input from Left AIMS on Maint Data LS Bus (429).	34-43 TASK 846
34-50003	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Radar Processor (Left) has no input from Right AIMS on General Purpose Bus 3 (AIMS-R). AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Radar Processor (left) has no input from Right AIMS on General Purpose Bus 3 (AIMS-R).	34-43 TASK 847

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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
34-50004	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Radar Processor (Right) has no input from LeftAIMS on General Purpose Bus 3 (AIMS-L). AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Radar Processor (right) has no input from LeftAIMS on General Purpose Bus 3 (AIMS-L).	34-43 TASK 848
34-50005	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Radar Processor (Right) has no input from Left AIMS on ARINC 429 HS IRS Gateway-L. AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Radar Processor (right) has no input from Left AIMS on ARINC 429 HS IRS Gateway-L.	34-43 TASK 849
34-50006	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Radar Processor (Left) has no input from Right AIMS on 704 IRS Xmtr HS Bus (AIMS-R). AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Radar Processor (left) has no input from Right AIMS on 704 IRS Xmtr HS Bus (AIMS-R).	34-43 TASK 850
34-50007	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Radar Processor (Left) has no input from Radio Altimeter Transceiver (right) on ARINC 429 bus. AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Radar Processor (left) has no input from Radio Altimeter Transceiver (right) on ARINC 429 Bus.	34-43 TASK 851
34-50008	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Radar Processor (Right) has no input from Radio Altimeter Transceiver (left) on ARINC 429 bus. AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Radar Processor (right) has no input from Radio Altimeter Transceiver (left) on ARINC 429 Bus.	34-43 TASK 852

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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
34-50009	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Radar Processor (Left) has no input from Left AIMS on General Purpose Bus 3 (AIMS-L). AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Radar Processor (left) has no input from Left AIMS on General Purpose Bus 3 (AIMS-L).	34-43 TASK 853
34-50010	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Radar Processor (Right) has no input from Right AIMS on General Purpose Bus 3 (AIMS-R). AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Radar Processor (right) has no input from Right AIMS on General Purpose Bus 3 (AIMS-R).	34-43 TASK 854
34-50011	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Radar Processor (Left) has no input from Left AIMS on 704 IRS Xmtr HS Bus (AIMS-L). AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Radar Processor (left) has no input from Left AIMS on 704 IRS Xmtr HS Bus (AIMS-L).	34-43 TASK 855
34-50012	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Radar Processor (Right) has no input from Right AIMS on ARINC 429 HS IRS Gateway-R. AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Radar Processor (right) has no input from Right AIMS on ARINC 429 HS IRS Gateway-R.	34-43 TASK 856
34-50013	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Radar Processor (Left) has no input from Radio Altimeter Transceiver (left) on ARINC 429 bus. AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Radar Processor (left) has no input from Radio Altimeter Transceiver (left) on ARINC 429 Bus.	34-43 TASK 857

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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
34-50014	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Radar Processor (Right) has no input from Radio Altimeter Transceiver (right) on ARINC 429 bus. AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Radar Processor (right) has no input from Radio Altimeter Transceiver (right) on ARINC 429 Bus.	34-43 TASK 858
34-50015*	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Radar Processor (Left) has no input from Left AIMS on General Purpose 2 Left LS Bus (AIMS-L). AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Radar Processor (left) has no input from Left AIMS on General Purpose 2 Left LS Bus (AIMS-L).	34-43 TASK 859
34-50016*	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Radar Processor (Right) has no input from Left AIMS on General Purpose 2 Left LS Bus (AIMS-L). AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Radar Processor (right) has no input from Left AIMS on General Purpose 2 Left LS Bus (AIMS-L).	34-43 TASK 860
34-50017*	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Radar Processor (Left) has no input from Right AIMS on General Purpose 2 Right LS Bus (AIMS-R). AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Radar Processor (left) has no input from Right AIMS on General Purpose 2 Right LS Bus (AIMS-R).	34-43 TASK 861
34-50018*	WXR Processor (right) has no input from Right AIMS on General Purpose 2 Right LS Bus (AIMS-R).	34-43 TASK 862
34-50019*	WXR Control Panel has no output or is failed.	34-43 TASK 863
34-50020*	WXR Control Panel has no output or is failed.	34-43 TASK 864
34-50021*	WXR Antenna drive is not connected or failed.	34-43 TASK 865
34-50022*	WXR Antenna drive is not connected or failed.	34-43 TASK 866

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34-50023*	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Radar Processor (Left) has an internal fault. AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Radar Processor (left) has an internal fault.	34-43 TASK 867
34-50024*	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Radar Processor (Right) has an internal fault. AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Radar Processor (right) has an internal fault.	34-43 TASK 868
34-50025*	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Transceiver (Left) is not connected or failed. AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Transceiver (left) is not connected or failed.	34-43 TASK 869
34-50026*	AIMS-2, CMCF LDI 3114-BCG-00W-16; WXR Transceiver (Right) is not connected or failed. AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; WXR Transceiver (right) is not connected or failed.	34-43 TASK 870
34-50027	EGPWS Bus is not connected or failed.	34-43 TASK 871
34-50028	EGPWS data bus is not connected or failed.	34-43 TASK 872
34-51011	ADF Receiver (left) has an internal fault.	34-57 TASK 801
34-51013	ADF Receiver (right) has an internal fault.	34-57 TASK 806
34-51021	ADF Antenna (left) circuit is shorted.	34-57 TASK 802
34-51023	ADF Antenna (right) circuit is shorted.	34-57 TASK 803
34-51031	ADF Receiver (left) has no input from Right AIMS on FMC NAVAID TUNE-L (ARINC 429) Bus.	34-57 TASK 807
34-51033	ADF Receiver (right) has no input from Right AIMS on FMC NAVAID TUNE-R (ARINC 429) Bus.	34-57 TASK 808
34-51041	ADF Receiver (left) has no input from Control Display Unit (L) on NAVAID TUNE - L ARINC 429 Bus.	34-57 TASK 809
34-51043	ADF Receiver (right) has no input from Control Display Unit (R) on NAVAID TUNE - R ARINC 429 Bus.	34-57 TASK 810
34-51801	ADF Receiver (left) has no output on any bus.	34-57 TASK 801
34-51802	ADF Receiver (right) has no output on any bus.	34-57 TASK 806
34-53011*	Multi-Mode Receiver (left) has an internal fault.	34-31 TASK 846

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34-53012*	Multi-Mode Receiver (center) has an internal fault.	34-31 TASK 847
34-53013*	Multi-Mode Receiver (right) has an internal fault.	34-31 TASK 848
34-53021	Multi-Mode Receiver (left) has no input from Right AIMS on NAVAID TUNE-L Bus.	34-31 TASK 849
34-53022	Multi-Mode Receiver (center) has no input from Right AIMS on NAVAID TUNE-C Bus.	34-31 TASK 850
34-53023	Multi-Mode Receiver (right) has no input from Right AIMS on NAVAID TUNE-R Bus.	34-31 TASK 851
34-53031	Multi-Mode Receiver (left) has no input from Control Display Unit (L) on NAVAID TUNE - L Bus.	34-31 TASK 852
34-53032	Multi-Mode Receiver (center) has no input from Control Display Unit (L) on NAVAID TUNE - L Bus.	34-31 TASK 853
34-53033	Multi-Mode Receiver (right) has no input from Control Display Unit (R) on NAVAID TUNE - R Bus.	34-31 TASK 854
34-53201*	Multi-Mode Receiver (left) GNSS RF input signals are out of range or invalid.	34-58 TASK 823
34-53202*	Multi-Mode Receiver (right) GNSS RF input signals are out of range or invalid.	34-58 TASK 824
34-53301*	GNSS Antenna (left) circuit is open.	34-58 TASK 825
34-53302*	GNSS Antenna (right) circuit is open.	34-58 TASK 826
34-53801*	Multi-Mode Receiver (left) has no output on any bus.	34-31 TASK 855
34-53802*	Multi-Mode Receiver (center) has no output on any bus.	34-31 TASK 856
34-53803*	Multi-Mode Receiver (right) has no output on any bus.	34-31 TASK 857
34-53894	Multi-Mode Receiver (left) has no output on ILS Output 2 Bus (429).	34-31 TASK 858
34-53895	Multi-Mode Receiver (center) has no output on ILS Output 2 Bus (429).	34-31 TASK 859
34-53896	Multi-Mode Receiver (right) has no output on ILS Output 1 Bus (429).	34-31 TASK 860
34-57791	ADF Receiver (left) signals are invalid.	34-57 TASK 811
34-57792	ADF Receiver (right) signals are invalid.	34-57 TASK 812
34-59904	ADF Receiver (left) has no input from Left AIMS on CMC Bus-L (ARINC 429) (AIMS-L).	34-57 TASK 804
34-59905	ADF Receiver (right) has no input from Left AIMS on CMC Bus-R (ARINC 429) (AIMS-L).	34-57 TASK 805
34-59928	Multi-Mode Receiver (left) has no input from Left AIMS on CMCS Data Input Bus (429).	34-31 TASK 861
34-59929	Multi-Mode Receiver (center) has no input from Left AIMS on CMCS Data Input Bus (429).	34-31 TASK 862

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34-59930	Multi-Mode Receiver (right) has no input from Left AIMS on CMCS Data Input Bus (429).	34-31 TASK 863
34-59931	Multi-Mode Receiver (left) has no input from Left AIMS on 429 IRS/FMS 1 In Bus.	34-31 TASK 864
34-59932	Multi-Mode Receiver (right) has no input from Left AIMS on 429 IRS/FMS 1 In Bus.	34-31 TASK 865
34-59934	Multi-Mode Receiver (left) has no input from Right AIMS on 429 IRS/FMS 2 In Bus.	34-31 TASK 866
34-59935	Multi-Mode Receiver (right) has no input from Right AIMS on 429 IRS/FMS 2 In Bus.	34-31 TASK 867
34-61001*	Control Display Unit (Left) has an internal fault.	34-61 TASK 818
34-61002*	Control Display Unit (Center) has an internal fault.	34-61 TASK 818
34-61003*	Control Display Unit (Right) has an internal fault.	34-61 TASK 818
34-61011	Control Display Unit (Left) has an ARINC 629 fault.	34-61 TASK 890
34-61012	Control Display Unit (Center) has an ARINC 629 fault.	34-61 TASK 891
34-61013	Control Display Unit (Right) has an ARINC 629 fault.	34-61 TASK 892
34-61031	Control Display Unit (Left) has an ARINC 629 fault.	34-61 TASK 917
34-61032	Control Display Unit (Center) has an ARINC 629 fault.	34-61 TASK 918
34-61033	Control Display Unit (Right) has an ARINC 629 fault.	34-61 TASK 919
34-61041	Control Display Unit (Left) has an ARINC 629 fault.	34-61 TASK 847
34-61042	Control Display Unit (Center) has an ARINC 629 fault.	34-61 TASK 848
34-61043	Control Display Unit (Right) has an ARINC 629 fault.	34-61 TASK 849
34-68801	Control Display Unit (L) has no output on any bus.	34-61 TASK 819
34-68802	Control Display Unit (R) has no output on any bus.	34-61 TASK 819
34-68803	Control Display Unit (C) has no output on any bus.	34-61 TASK 819
34-68841	Control Display Unit (Left) has no output on System ARINC 629 Bus (left).	34-61 TASK 917
34-68842	Control Display Unit (Right) has no output on System ARINC 629 Bus (left).	34-61 TASK 919
34-68843	Control Display Unit (Center) has no output on System ARINC 629 Bus (left).	34-61 TASK 918
34-68861	Control Display Unit (Left) has no output on System ARINC 629 Bus (right).	34-61 TASK 820
34-68862	Control Display Unit (Right) has no output on System ARINC 629 Bus (right).	34-61 TASK 821
34-68863	Control Display Unit (Center) has no output on System ARINC 629 Bus (right).	34-61 TASK 822

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34-68891	Control Display Unit (Left) has no output on CDU NAV Tuning ARINC 429 Bus.	34-61 TASK 801
34-68892	Control Display Unit (Right) has no output on CDU NAV Tuning ARINC 429 Bus.	34-61 TASK 823
34-68894	Control Display Unit (Left) has no output on CDU-L SDU Bus (429).	34-61 TASK 920
34-68895	Control Display Unit (Right) has no output on CDU-R SDU Bus (429).	34-61 TASK 921
34-68896	Control Display Unit (Center) has no output on CDU-C SDU-PA/CI Bus (429).	34-61 TASK 896
34-69104	Control Display Unit (Left) has no input from Air Data Inertial Reference Unit on Flight Controls ARINC 629 Bus (left).	34-61 TASK 802
34-69106	Control Display Unit (Center) has no input from Air Data Inertial Reference Unit on Flight Controls ARINC 629 Bus (left).	34-61 TASK 824
34-69305	Control Display Unit (Right) has no input from Air Data Inertial Reference Unit on Flight Controls ARINC 629 Bus (right).	34-61 TASK 825
34-69401	AIMS-2, CMCF LDI 3114-BCG-00W-16; Control Display Unit (Left) has no input from Any LRU on System ARINC 629 Bus (left). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Control Display Unit (Left) has no input from any LRU on System ARINC 629 Bus (left).	34-61 TASK 917
34-69402	AIMS-2, CMCF LDI 3114-BCG-00W-16; Control Display Unit (Center) has no input from Any LRU on System ARINC 629 Bus (left). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Control Display Unit (Center) has no input from any LRU on System ARINC 629 Bus (left).	34-61 TASK 918
34-69403	AIMS-2, CMCF LDI 3114-BCG-00W-16; Control Display Unit (Right) has no input from Any LRU on System ARINC 629 Bus (left). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Control Display Unit (Right) has no input from any LRU on System ARINC 629 Bus (left).	34-61 TASK 919

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34-69404	Control Display Unit (Left) has no input from ARINC Signal Gateway (left), LSCF on System ARINC 629 Bus (left).	34-61 TASK 803
34-69405	Control Display Unit (Right) has no input from ARINC Signal Gateway (left), LSCF on System ARINC 629 Bus (left).	34-61 TASK 826
34-69406	Control Display Unit (Center) has no input from ARINC Signal Gateway (left), LSCF on System ARINC 629 Bus (left).	34-61 TASK 827
34-69407	Control Display Unit (Left) has no input from ARINC Signal Gateway (left), RSCF on System ARINC 629 Bus (left).	34-61 TASK 828
34-69408	Control Display Unit (Right) has no input from ARINC Signal Gateway (left), RSCF on System ARINC 629 Bus (left).	34-61 TASK 829
34-69409	Control Display Unit (Center) has no input from ARINC Signal Gateway (left), RSCF on System ARINC 629 Bus (left).	34-61 TASK 830
34-69410	Control Display Unit (Left) has no input from Bus Power Control Unit (BPCU) on System ARINC 629 Bus (left).	34-61 TASK 804
34-69411	Control Display Unit (Right) has no input from Bus Power Control Unit (BPCU) on System ARINC 629 Bus (left).	34-61 TASK 831
34-69412	Control Display Unit (Center) has no input from Bus Power Control Unit (BPCU) on System ARINC 629 Bus (left).	34-61 TASK 832
34-69413	Control Display Unit (Left) has no input from Control Display Unit (Center) on System ARINC 629 Bus (left).	34-61 TASK 805
34-69414	Control Display Unit (Right) has no input from Control Display Unit (Center) on System ARINC 629 Bus (left).	34-61 TASK 833
34-69417	Control Display Unit (Right) has no input from Control Display Unit (Left) on System ARINC 629 Bus (left).	34-61 TASK 834
34-69418	Control Display Unit (Center) has no input from Control Display Unit (Left) on System ARINC 629 Bus (left).	34-61 TASK 835
34-69419	Control Display Unit (Left) has no input from Control Display Unit (Right) on System ARINC 629 Bus (left).	34-61 TASK 806
34-69421	Control Display Unit (Center) has no input from Control Display Unit (Right) on System ARINC 629 Bus (left).	34-61 TASK 836
34-69434	Control Display Unit (Left) has no input from Left AIMS on System ARINC 629 Bus (left).	34-61 TASK 807
34-69435	Control Display Unit (Right) has no input from Left AIMS on System ARINC 629 Bus (left).	34-61 TASK 837
34-69436	Control Display Unit (Center) has no input from Left AIMS on System ARINC 629 Bus (left).	34-61 TASK 838
34-69437	Control Display Unit (Left) has no input from Right AIMS on System ARINC 629 Bus (left).	34-61 TASK 808
34-69438	Control Display Unit (Right) has no input from Right AIMS on System ARINC 629 Bus (left).	34-61 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
34-69439	Control Display Unit (Center) has no input from Right AIMS on System ARINC 629 Bus (left).	34-61 TASK 840
34-69458	Control Display Unit (Left) has no input from Autopilot Flight Director Computer (Left) on System ARINC 629 Bus (left).	34-61 TASK 811
34-69459	Control Display Unit (Right) has no input from Autopilot Flight Director Computer (Left) on System ARINC 629 Bus (left).	34-61 TASK 845
34-69460	Control Display Unit (Center) has no input from Autopilot Flight Director Computer (Left) on System ARINC 629 Bus (left).	34-61 TASK 846
34-69601	AIMS-2, CMCF LDI 3114-BCG-00W-16; Control Display Unit (Left) has no input from Any LRU on System ARINC 629 Bus (right). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Control Display Unit (Left) has no input from any LRU on System ARINC 629 Bus (right).	34-61 TASK 847
34-69602	AIMS-2, CMCF LDI 3114-BCG-00W-16; Control Display Unit (Center) has no input from Any LRU on System ARINC 629 Bus (right). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Control Display Unit (Center) has no input from any LRU on System ARINC 629 Bus (right).	34-61 TASK 848
34-69603	AIMS-2, CMCF LDI 3114-BCG-00W-16; Control Display Unit (Right) has no input from Any LRU on System ARINC 629 Bus (right). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Control Display Unit (Right) has no input from any LRU on System ARINC 629 Bus (right).	34-61 TASK 849
34-69604	Control Display Unit (Left) has no input from ARINC Signal Gateway (right), LSCF on System ARINC 629 Bus (right).	34-61 TASK 850
34-69605	Control Display Unit (Right) has no input from ARINC Signal Gateway (right), LSCF on System ARINC 629 Bus (right).	34-61 TASK 851
34-69606	Control Display Unit (Center) has no input from ARINC Signal Gateway (right), LSCF on System ARINC 629 Bus (right).	34-61 TASK 852
34-69607	Control Display Unit (Left) has no input from ARINC Signal Gateway (right), RSCF on System ARINC 629 Bus (right).	34-61 TASK 853

*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
34-69608	Control Display Unit (Right) has no input from ARINC Signal Gateway (right), RSCF on System ARINC 629 Bus (right).	34-61 TASK 854
34-69609	Control Display Unit (Center) has no input from ARINC Signal Gateway (right), RSCF on System ARINC 629 Bus (right).	34-61 TASK 855
34-69610	Control Display Unit (Left) has no input from Bus Power Control Unit (BPCU) on System ARINC 629 Bus (right).	34-61 TASK 856
34-69611	Control Display Unit (Right) has no input from Bus Power Control Unit (BPCU) on System ARINC 629 Bus (right).	34-61 TASK 857
34-69612	Control Display Unit (Center) has no input from Bus Power Control Unit (BPCU) on System ARINC 629 Bus (right).	34-61 TASK 858
34-69613	Control Display Unit (Left) has no input from Control Display Unit (Center) on System ARINC 629 Bus (right).	34-61 TASK 859
34-69614	Control Display Unit (Right) has no input from Control Display Unit (Center) on System ARINC 629 Bus (right).	34-61 TASK 860
34-69617	Control Display Unit (Right) has no input from Control Display Unit (Left) on System ARINC 629 Bus (right).	34-61 TASK 861
34-69618	Control Display Unit (Center) has no input from Control Display Unit (Left) on System ARINC 629 Bus (right).	34-61 TASK 862
34-69619	Control Display Unit (Left) has no input from Control Display Unit (Right) on System ARINC 629 Bus (right).	34-61 TASK 863
34-69621	Control Display Unit (Center) has no input from Control Display Unit (Right) on System ARINC 629 Bus (right).	34-61 TASK 864
34-69634	Control Display Unit (Left) has no input from Left AIMS on System ARINC 629 Bus (right).	34-61 TASK 865
34-69635	Control Display Unit (Right) has no input from Left AIMS on System ARINC 629 Bus (right).	34-61 TASK 866
34-69636	Control Display Unit (Center) has no input from Left AIMS on System ARINC 629 Bus (right).	34-61 TASK 867
34-69637	Control Display Unit (Left) has no input from Right AIMS on System ARINC 629 Bus (right).	34-61 TASK 875
34-69638	Control Display Unit (Right) has no input from Right AIMS on System ARINC 629 Bus (right).	34-61 TASK 876
34-69639	Control Display Unit (Center) has no input from Right AIMS on System ARINC 629 Bus (right).	34-61 TASK 877
34-69658	Control Display Unit (Left) has no input from Autopilot Flight Director Computer (Right) on System ARINC 629 Bus (right).	34-61 TASK 884
34-69659	Control Display Unit (Right) has no input from Autopilot Flight Director Computer (Right) on System ARINC 629 Bus (right).	34-61 TASK 885
34-69660	Control Display Unit (Center) has no input from Autopilot Flight Director Computer (Right) on System ARINC 629 Bus (right).	34-61 TASK 886

*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
34-69901	Control Display Unit (Center) has no input from Pass. Address/Cabin Interphone Controller on PA/CI CDU-C Bus (429).	34-61 TASK 897
34-69902	Control Display Unit (Left) has no input from Satellite Data Unit (left) on SDU-L DATA TO CDU Bus (429).	34-61 TASK 898
34-69903	Control Display Unit (Right) has no input from Satellite Data Unit (left) on SDU-L DATA TO CDU Bus (429).	34-61 TASK 899
34-69904	Control Display Unit (Center) has no input from Satellite Data Unit (left) on SDU-L DATA TO CDU Bus (429).	34-61 TASK 900
34-69905	Control Display Unit (Left) has no input from Satellite Data Unit (right) on SDU-R DATA TO CDU Bus (429).	34-61 TASK 901
34-69906	Control Display Unit (Right) has no input from Satellite Data Unit (right) on SDU-R DATA TO CDU Bus (429).	34-61 TASK 902
34-69907	Control Display Unit (Center) has no input from Satellite Data Unit (right) on SDU-R DATA TO CDU Bus (429).	34-61 TASK 903
34-71011*	FMCF in Left AIMS has incorrect software configuration.	34-61 TASK 905
34-71012*	FMCF in Right AIMS has incorrect software configuration.	34-61 TASK 906
34-71020	FMCF in Left AIMS and in Right AIMS have incorrect software configuration.	34-61 TASK 907
34-71031	FMCF in Left AIMS has an internal software fault.	34-61 TASK 815
34-71032	FMCF in Right AIMS has an internal software fault.	34-61 TASK 889
34-71051	FMCF AMI in Left AIMS has incorrect data.	34-61 TASK 908
34-71052	FMCF AMI in Right AIMS has incorrect data.	34-61 TASK 909
34-71060*	Engine ratings from Electronic Engine Control (L Eng) and Electronic Engine Control (R Eng) do not agree or are not compatible with FMCF.	34-90 TASK 801
34-71201	FMCF in Left AIMS has no input from CMCF in Left AIMS on the AIMS Backplane.	34-61 TASK 904
34-71202	FMCF in Right AIMS has no input from CMCF in Left AIMS on AIMS Intercabinet Buses (3) and (4).	34-61 TASK 910
34-71203	FMCF in Left AIMS has no input from CMCF in Right AIMS on AIMS Intercabinet ARINC 629 Buses (3) and (4).	34-61 TASK 922
34-71204	FMCF in Right AIMS has no input from CMCF in Right AIMS on the AIMS Backplane.	34-61 TASK 923
34-71211	FMCF in Left AIMS has no input from FMCF in Right AIMS on AIMS Intercabinet Buses (3) and (4).	34-61 TASK 924
34-71212	FMCF in Right AIMS has no input from FMCF in Left AIMS on AIMS Intercabinet Buses (1) and (2).	34-61 TASK 925
34-72011	FMCF/Nav in Left AIMS has an internal software fault.	34-61 TASK 815

*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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34-72012*	FMCF/Nav in Right AIMS has an internal software fault.	34-61 TASK 889
34-72031	FMCF/Nav in Left AIMS has incorrect software configuration.	34-61 TASK 905
34-72032*	FMCF/Nav in Right AIMS has incorrect software configuration.	34-61 TASK 906
34-72201	FMCF/Nav in Left AIMS has no input from CMCF in Left AIMS on the AIMS Backplane.	34-61 TASK 904
34-72202	FMCF/Nav in Right AIMS has no input from CMCF in Left AIMS on AIMS Intercabinet Buses (3) and (4).	34-61 TASK 912
34-72203	FMCF/Nav in Left AIMS has no input from CMCF in Right AIMS on AIMS Intercabinet Buses (3) and (4).	34-61 TASK 922
34-72204	FMCF/Nav in Right AIMS has no input from CMCF in Right AIMS on the AIMS Backplane.	34-61 TASK 923
34-77001	Left AIMS tuning signals on General Purpose #2 Bus (AIMS-L)(429) are out of range or invalid.	34-31 TASK 842
34-77002	Right AIMS tuning signals on General Purpose #2 Bus (AIMS-R)(429) are out of range or invalid.	34-31 TASK 843

*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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801. Left Pitot Pressure Disagree - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-25101.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault. Do these steps:
 - (a) Clean the pitot probe. To clean it, do this task: Pitot Probe Cleaning with Pitot Probe Installed, AMM TASK 34-11-01-100-802.
 - (b) Monitor the airplane for re-occurrence.

C. Fault Isolation Procedure

- (1) Examine the left pitot probe for blockage.
 - (a) If there is blockage, remove the unwanted material from the pitot probe. To remove it, do this task: Pitot Probe Cleaning with Pitot Probe Removed, AMM TASK 34-11-01-100-801.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (c) If there is not blockage, then continue.
- (2) Do a pitot system pressurization check to make sure the left, center and right pitot probes do not leak. Static and Total Air Pressure System - Pressurization, AMM TASK 34-11-00-780-801.

NOTE: This step checks for individual probe leaks and makes sure a dual pitot probe failure did not cause the fault.

- (a) If the center and right probes leak, replace the probes.

There are the tasks:

Pitot Probe Removal, AMM TASK 34-11-01-000-801

Pitot Probe Installation, AMM TASK 34-11-01-400-801

- 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 ACTIVE for the maintenance message, then continue.

- (b) If the left probe leaks, continue with the Fault Isolation Procedure.

- (3) Replace the left pitot probe, M34117.

These are the tasks:

Pitot Probe Removal, AMM TASK 34-11-01-000-801,

Pitot Probe Installation, AMM TASK 34-11-01-400-801.

- (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 left Air Data Module-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.

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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 —

802. Center Pitot Pressure Disagree - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-25102.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault. Do these steps:
- (a) Clean the pitot probe. To clean it, do this task: Pitot Probe Cleaning with Pitot Probe Installed, AMM TASK 34-11-01-100-802.
- (b) Monitor the airplane for re-occurrence.

C. Fault Isolation Procedure

- (1) Examine the center pitot probe for blockage.
- (a) If there is blockage, remove the unwanted material from the pitot probe. To remove it, do this task: Pitot Probe Cleaning with Pitot Probe Removed, AMM TASK 34-11-01-100-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If there is not blockage, then continue.
- (2) Do a pitot system pressurization check to make sure the left, center and right pitot probes do not leak. Static and Total Air Pressure System - Pressurization, AMM TASK 34-11-00-780-801.

NOTE: This step checks for individual probe leaks and makes sure a dual pitot probe failure did not cause the fault.

- (a) If the left and right probes leak, replace the probes.

These are the tasks:

Pitot Probe Removal, AMM TASK 34-11-01-000-801

Pitot Probe Installation, AMM TASK 34-11-01-400-801

- 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 ACTIVE for the maintenance message, then continue.

- (b) If the center probe leaks, continue with the Fault Isolation Procedure.

- (3) Replace the center pitot probe, M34317.

These are the tasks:

Pitot Probe Removal, AMM TASK 34-11-01-000-801,

Pitot Probe Installation, AMM TASK 34-11-01-400-801.

- (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 Air Data Module-Pitot, M34302.

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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.

- (a) 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. Right Pitot Pressure Disagree - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-25103.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault. Do these steps:
 - (a) Clean the pitot probe. To clean it, do this task: Pitot Probe Cleaning with Pitot Probe Installed, AMM TASK 34-11-01-100-802.
 - (b) Monitor the airplane for re-occurrence.

C. Fault Isolation Procedure

- (1) Examine the right pitot probe for blockage.
 - (a) If there is blockage, remove the unwanted material from the pitot probe. To remove it, do this task: Pitot Probe Cleaning with Pitot Probe Removed, AMM TASK 34-11-01-100-801.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (c) If there is not blockage, then continue.

- (2) Do a pitot system pressurization check to make sure the left, center and right pitot probes do not leak. Static and Total Air Pressure System - Pressurization, AMM TASK 34-11-00-780-801

NOTE: This step checks for individual probe leaks and makes sure a dual pitot probe failure did not cause the fault.

- (a) If the left and center probes leak, replace the probes.

These are the tasks:

Pitot Probe Removal, AMM TASK 34-11-01-000-801

Pitot Probe Installation, AMM TASK 34-11-01-400-801

- 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 ACTIVE for the maintenance message, then continue.

- (b) If the right probe leaks, continue with the Fault Isolation Procedure.

- (3) Replace the right pitot probe, M34217.

These are the tasks:

Pitot Probe Removal, AMM TASK 34-11-01-000-801,

Pitot Probe Installation, AMM TASK 34-11-01-400-801.

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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 right Air Data Module-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.

- (a) 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 Static Pressure Disagree - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-25201.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Examine these static ports for blockage or damage:
 - (a) The static port on the left side at STA 746, WL 139.
 - (b) The static port on the right side at STA 746, WL 139.
 - (c) If there is blockage, remove the unwanted material from the static ports.
 - 1) 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 damage to the static port, do these steps:
 - 1) Replace the static port.

These are the tasks:
Static Port Removal, AMM TASK 34-11-02-000-801,
Static Port Installation, AMM TASK 34-11-02-400-801.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (e) If there is no blockage or damage, then continue.
 - (f) 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 Air Data Module-Static, M34101.

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.

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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** —————

805. Center Static Pressure Disagree - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-25202.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Examine these static ports for blockage or damage:
- (a) The static port on the right side at STA 688, WL 105.
 - (b) The static port on the left side at STA 688, WL 105.
 - (c) If there is blockage, remove the unwanted material from the static ports.
 - 1) 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 damage to the static port, do these steps:
 - 1) Replace the static port.
These are the tasks:
Static Port Removal, AMM TASK 34-11-02-000-801,
Static Port Installation, AMM TASK 34-11-02-400-801.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (e) If there is no blockage or damage, then continue.
 - (f) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (2) Replace the center Air Data Module-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.
- (a) 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 Static Pressure Disagree - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-25203.

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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) Examine these static ports for blockage or damage:
 - (a) The static port on the right side located at STA 764, WL 139.
 - (b) The static port on the left side located at STA 764, WL 139.
 - (c) If there is blockage, remove the unwanted material from the static ports.
 - 1) 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 damage to the static port:
 - 1) Replace the static port.

These are the tasks:
Static Port Removal, AMM TASK 34-11-02-000-801,
Static Port Installation, AMM TASK 34-11-02-400-801.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (e) If there is no blockage or damage, then continue.
 - (f) 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 Air Data Module-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.

 - (a) 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. SADM-Static No Output on 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

- (1) Replace the Standby Air Data Module (SADM)-Static, M34403.

These are the tasks:

Static Standby Air Data Module Removal, AMM TASK 34-13-03-000-802,

Static Standby Air Data Module Installation, AMM TASK 34-13-03-400-801.

- (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 —————

807. SADM-Static Signal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-10050.

B. Fault Isolation Procedure

- (1) Replace the Standby Air Data Module (SADM)-Static, M34403.

These are the tasks:

Static Standby Air Data Module Removal, AMM TASK 34-13-03-000-802,

Static Standby Air Data Module Installation, AMM TASK 34-13-03-400-801.

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

————— END OF TASK —————

808. SADM-Static to SASI Signal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-10052.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 Standby Air Data Module (SADM)-Static, M34403.

These are the tasks:

Static Standby Air Data Module Removal, AMM TASK 34-13-03-000-802,

Static Standby Air Data Module Installation, AMM TASK 34-13-03-400-801.

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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.

————— END OF TASK —————

809. SADM-Static to SALT Signal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-10053.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 Standby Air Data Module (SADM)-Static, M34403.

These are the tasks:

Static Standby Air Data Module Removal, AMM TASK 34-13-03-000-802,

Static Standby Air Data Module Installation, AMM TASK 34-13-03-400-801.

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

————— END OF TASK —————

810. SADM-Pitot Signal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-10062.

B. Fault Isolation Procedure

- (1) Replace the Standby air Data Module (SADM)-Pitot, M34404.

These are the tasks:

Pitot Standby Air Data Module Removal, AMM TASK 34-13-03-000-801,

Pitot Standby Air Data Module Installation, AMM TASK 34-13-03-400-802.

- (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 —————

813. SADM-Static No Output on Averaged Static 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-18894.

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.

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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 Static Standby Air Data Module (SADM)-Static, M34403.

These are the tasks:

Static Standby Air Data Module Removal, AMM TASK 34-13-03-000-802,

Static Standby Air Data Module Installation, AMM TASK 34-13-03-400-801.

- (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 —————

814. SADM-Pitot No Output on Total Pressure 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

- (1) Replace the Pitot Standby Air Data Module, (SADM)-Pitot, M34404.

These are the tasks:

Pitot Standby Air Data Module Removal, AMM TASK 34-13-03-000-801,

Pitot Standby Air Data Module Installation, AMM TASK 34-13-03-400-802.

- (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.

————— END OF TASK —————

815. SALT No Input from SADM-Static on Averaged Static 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) Replace the Static Standby Air Data Module, (SADM)-Static, M34403.

These are the tasks:

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Static Standby Air Data Module Removal, AMM TASK 34-13-03-000-802,
Static Standby Air Data Module Installation, AMM TASK 34-13-03-400-801.

- (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** —————

818. SASI or ISFD No Output on CMC 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-18892.

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 Integrated Standby Flight Display (ISFD), N34004.

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.
- (2) Do this check of the wiring:
 - (a) Remove the Integrated Standby Flight Display (ISFD), N34004. To remove it, do this task: Integrated Standby Flight Display Removal, AMM TASK 34-24-02-000-801.
 - (b) Remove the IOM, M008 from the left AIMS cabinet. To remove it, do this task: Integrated Standby Flight Display Installation, AMM TASK 34-24-02-400-801.
 - (c) Do a wiring check between these pins of connector J410-A at the left AIMS cabinet and connector DN34004 at the pilots' forward panel-center (WDM 34-24-15):

J410-A

pin A7 pin M
pin B7 pin N

DN34004

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

- 1) Repair the wiring.
- 2) Re-install the ISFD, N34004. To install it, do this task: Integrated Standby Flight Display Installation, AMM TASK 34-24-02-400-801.

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- 3) Re-install the IOM, M008 in the left AIMS cabinet. To install it, do this task: (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** —————

819. SALT or ISFD No Output on CMC 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-18893.

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 Integrated Standby Flight Display (ISFD), N34004.

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.
- (2) Do this check of the wiring:
 - (a) Remove the Integrated Standby Flight Display (ISFD), N34004. To remove it, do this task: Integrated Standby Flight Display Removal, AMM TASK 34-24-02-000-801.
 - (b) Remove the IOM, 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 J410-B at the left AIMS cabinet and connector DN34004 at the pilots' forward panel-center (WDM 34-24-15):

J410-B

pin A2 pin M
pin B2 pin N

DN34004

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

- 1) Repair the wiring.
- 2) Re-install the ISFD, N34004. To install it, do this task: Integrated Standby Flight Display Installation, AMM TASK 34-24-02-400-801.
- 3) Re-install the IOM, 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.

————— **END OF TASK** —————

823. **Primary (PFD) and Standby Altitude Differences - Fault Isolation**

A. Initial Evaluation

- (1) Subtract the altitude indication on the Standby Altimeter or Integrated Standby Flight Display (ISFD) indicator from the altitude indication on the PFD (primary altitude minus standby altitude).
- (2) If the difference is larger than the given value for the applicable altitude, at the given airspeed, then do the Fault Isolation Procedure below.
- (3) Use this table (Table 201):

NOTE: The chart is used to evaluate the flight crew discrepancies only. It is not required to pressurize the airplane to the specified values as shown in the table below.

Table 201/34-13-00-993-803

ALTITUDE (FEET)	AIRSPPEED/MACH (KNOTS)	MAX. ALTITUDE DIFFERENCE: PRIMARY MINUS STANDBY (FEET)	Max. Airspeed Difference: Primary minus Standby	Max. Mach Number Difference: Primary minus Standby
SEA LEVEL	0	±40	N/A	N/A
10,000	250/0.45	+110 TO -105	+3.5 to -3.5	+0.008 to -0.007
20,000	300/0.65	+155 TO -120	+3.0 to -2.5	+0.008 to -0.006
30,000	283/0.75	+170 TO -220	+2.5 to -3.0	+0.009 to -0.011
30,000	321/0.84	+220 TO -195	+3.0 to -2.5	+0.010 to -0.009
35,000	253/0.75	+140 TO -330	+2.0 to -4.5	+0.008 to -0.017
35,000	287/0.84	+200 TO -280	+2.5 to -3.5	+0.010 to -0.013
40,000	225/0.75	+90 TO -530	+1.5 to -6.0	+0.005 to -0.027
40,000	256/0.84	+165 TO -430	+2.5 to -4.5	+0.008 to -0.020

B. Fault Isolation Procedure

- (1) Replace the Integrated Standby Flight Display Indicator, N34004.

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 fault does not occur on the next flight leg, then you corrected the fault.
- (b) If the fault occurs on the next flight leg, then continue.

- (2) Replace the Static Standby Air Data Module, M34403.

These are the tasks:

Static Standby Air Data Module Removal, AMM TASK 34-13-03-000-802,

Static Standby Air Data Module Installation, AMM TASK 34-13-03-400-801.

- (a) If the fault does not occur on the next flight leg, then you corrected the fault.

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if the fault occurs on the next flight leg, then continue.

———— **END OF TASK** ————

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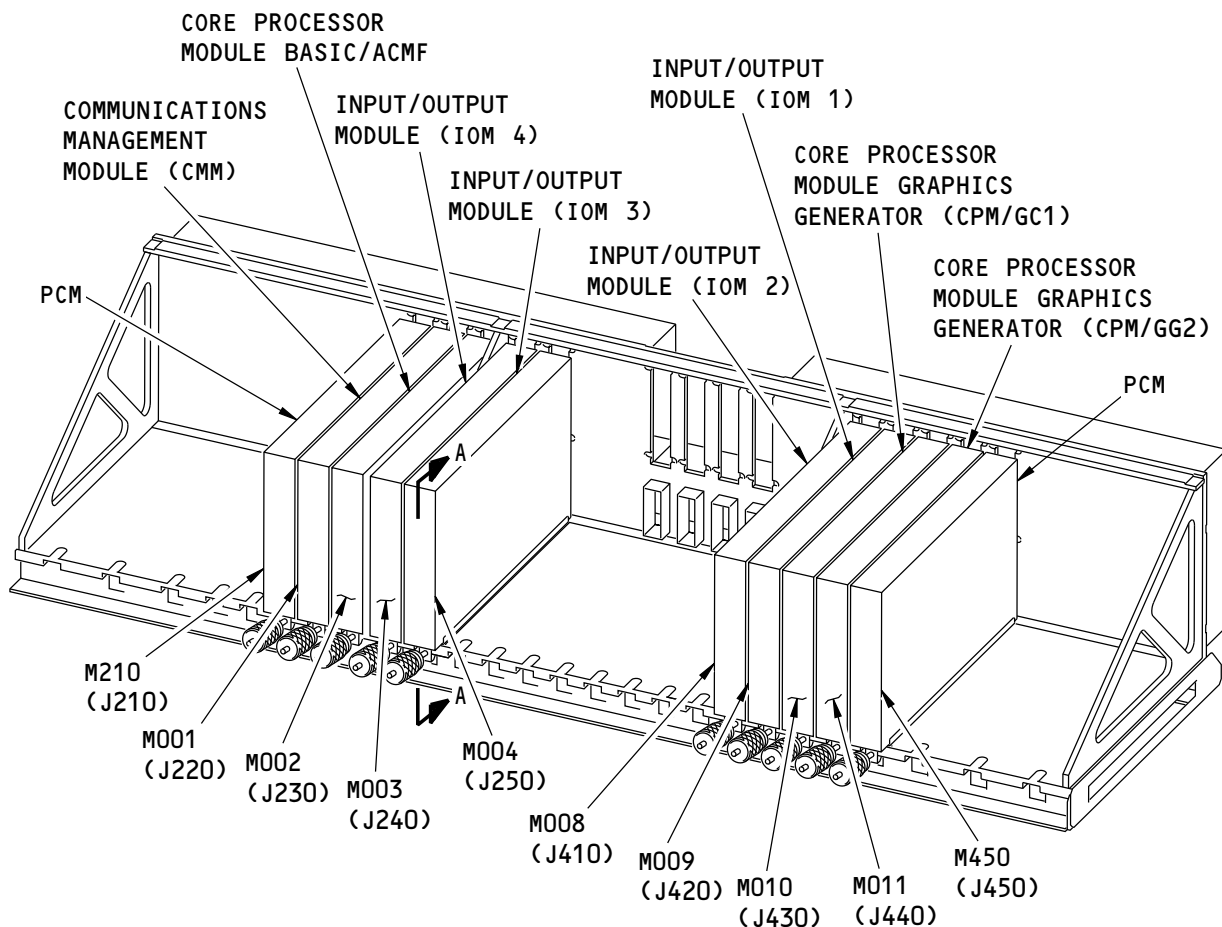
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ELECTRONIC EQUIPMENT RACK

2178748 S0000480931_V1

Airplane Information Management System (AIMS) Overview
Figure 301/34-13-00-990-801 (Sheet 1 of 2)

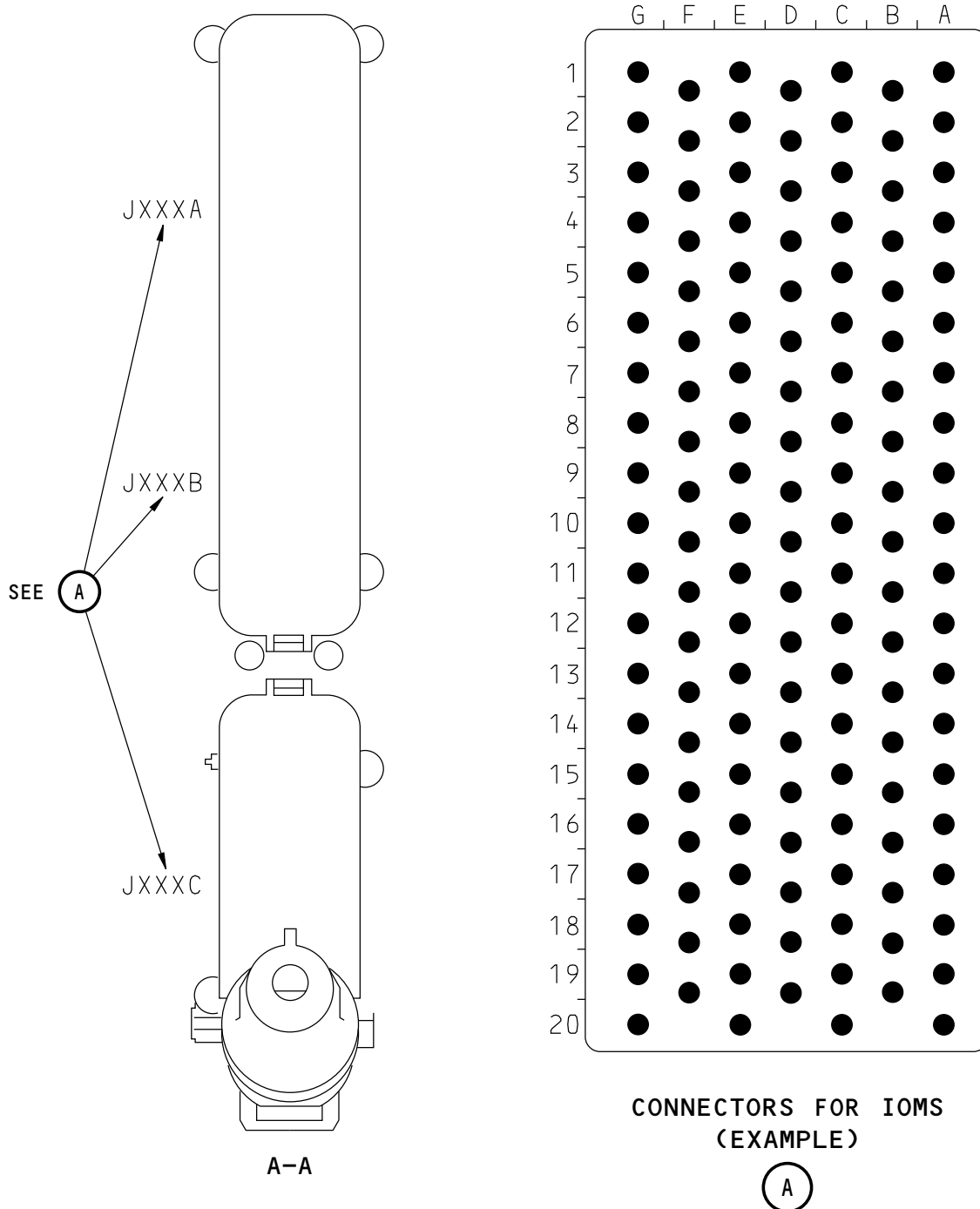
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NOTE: XXX = CONNECTOR NUMBER

2179065 S0000481152_V1

Airplane Information Management System (AIMS) Overview
Figure 301/34-13-00-990-801 (Sheet 2 of 2)

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801. Integrated Standby Flight Display BITE Procedure

A. General

- (1) In this task, you do the BITE procedure for the integrated standby flight display (ISFD) system.
- (2) The integrated standby flight display is installed in the P2 center instrument panel.
- (3) Switches used for the self test are on the front panel of the integrated standby flight display.
- (4) Current faults will show any internal faults that are active for the integrated standby flight display.

B. Procedure

- (1) Do these steps to find any current internal faults for the integrated standby flight display:
 - (a) Push APP and HP/IN, on the face of the ISFD, for approximately two seconds.
 - (b) Push the + select key next to <TESTS.
 - (c) Push the select key next to <FUNCTIONAL TEST (110s).
NOTE: The TEST screen will display IN PROGRESS 110s.
 - (d) If the TEST result displays OK, there are no internal faults for the integrated standby flight display.
 - (e) If the TEST result displays a fault message, do the fault isolation procedure for the fault message. do this task: Observed Fault with Correlated Maintenance Messages - Fault Isolation, 34-98 TASK 802

————— END OF TASK —————

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801. SAARU Signal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-10061.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 Secondary Attitude Air Data Reference Unit (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.

- (a) 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. ADIRU Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 34-20000, 34-20010.

B. Fault Isolation Procedure

- (1) Airplanes with ADIRU OPS software P/N 3477-HNC-100-03 or P/N 3477-HNC-100-04 or P/N 3476-HNC-100-05;

- (a) Do a reload of the ADIRU OPS software if all of the following conditions are true:

- 1) NAV ADIRU INERTIAL is displayed on EICAS
- 2) There is no box prompt under the SET INERTIAL POS field on the CDU page POS INIT 1/3
- 3) The first officer's altitude and airspeed tapes are normal when the F/O ATT/AIR DATA switch is selected to the ALTN position.

- (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 or LATCHED for the maintenance message, then continue.

- (2) Airplanes with ADIRU OPS software P/N 3477-HNC-100-03, P/N 3477-HNC-100-04 or P/N 3476-HNC-100-05 or P/N 3477-HNC-100-06 or P/N 347B-HNC-100-08 or 347A-HNC-100-09;

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.

- (a) 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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803. ADIRU to Flt Ctrl 629 Bus-L Coupler 1 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-20011.

B. 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) Push the ADIRU switch on the overhead panel, P5, to OFF.
 - (b) Wait for 15 seconds.
 - (c) Push the ADIRU switch on the overhead panel, P5, to ON.
 - (d) If the MAT shows ACTIVE or LATCHED for the maintenance message, then do the Fault Isolation Procedure below.
 - (e) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Push the ADIRU switch on the overhead panel, P5, to OFF.
- (2) Replace the ARINC 629 coupler, B34105, 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 ADIRU to the Flt Ctrl Bus-L.

- (3) Push the ADIRU switch on the overhead panel, P5, to ON.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE or LATCHED for the maintenance message, then continue.
- (4) Do this check of the wiring:
 - (a) Push the ADIRU switch on the overhead panel, P5, to OFF.
 - (b) Disconnect connector DB34105 from the coupler, B34105.
 - (c) Disconnect connector DM34001A from the ADIRU, M34001.
 - (d) Do a wiring check between these pins of connector DM34001A at the E3-3 shelf and connector DB34105 at the P112 panel (WDM 34-21-11):

DM34001A	DB34105
pin 6	pin 2
pin 5	pin 1
pin 8	pin 5
pin 9	pin 4

- (e) 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 connectors DM34001A and DB34105.

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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.
- (f) If you do not find a problem with the wiring, then do these steps:
 - 1) Re-connect connectors DB34105.
 - 2) 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.
- 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. ADIRU On/Off Switch Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-20030.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Push the ADIRU switch on the overhead panel, P5, to OFF.
- (2) Replace the ADIRU switch, S2 (WDM 34-21-11).
- (3) Push the ADIRU switch on the overhead panel, P5, to ON.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (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) Do a wiring check between these pins of connector DM27042A at the P5 overhead panel and connectors DM34001D, DM34001E, and DM34001F at the E3-3 shelf (WDM 34-21-11):

DM27042A	DM34001D
pin 16	pin 1
pin 29	pin 2

DM27042A	DM34001E
pin 15	pin 1
pin 28	pin 2

DM27042A	DM34001F
pin 14	pin 1
pin 27	pin 2

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- (b) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connectors DM27042A, DM34001D, DM34001E, and DM34001F.
 - 3) Push the ADIRU switch on the overhead panel, P5, to ON.
 - 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. ADIRU Left Primary Power Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-20031.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 of the ADIRU 28V DC power:
 - (a) Push the ADIRU switch on the overhead panel, P5, to OFF.
 - (b) Disconnect connector DM34001D from the ADIRU, M34001.
 - (c) Do a check for 28 VDC from pin 9 of connector DM34001D to structure ground (WDM 34-21-11).
 - (d) If there is not 28 VDC at pin 9 of connector DM34001D, do these steps:
 - 1) Replace this circuit breaker:
(WDM 34-21-11)

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
P	25	C34617	ADIRU PRI PWR L

- 2) Re-connect connector DM34001D.
 - 3) Push the ADIRU switch on the overhead panel, P5, to ON.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If there is 28 VDC at pin 9 of connector DM34001D, do these steps:
 - 1) 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.
 - 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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806. ADIRU Software Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-20060.

B. Fault Isolation Procedure

- (1) Do a check of the system configuration for this system on the MAT: 34 Air Data Inertial Reference System.
 - (a) Find Air Data Inertial Reference Unit (ADIRU) on the display and make sure that the software part numbers are correct.
 - (b) If a part number is incorrect, install software in the ADIRU. To install it, do this task: Air Data Inertial Reference Unit (ADIRU) Software Installation, AMM TASK 34-21-01-420-801.
 - (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 —————

807. ADIRU to Flt Ctrl 629 Bus-L Coupler 2 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-20071.

B. 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) Push the ADIRU switch on the overhead panel, P5, to OFF.
 - (b) Wait for 15 seconds.
 - (c) Push the ADIRU switch on the overhead panel, P5, to ON.
 - (d) If the MAT shows ACTIVE or LATCHED for the maintenance message while the ADIRU operates, then do the Fault Isolation Procedure below.
 - (e) If the MAT shows NOT ACTIVE for the maintenance message while the ADIRU operates, then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Push the ADIRU switch on the overhead panel, P5, to OFF.
- (2) Replace the ARINC 629 coupler, B34106, 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 ADIRU to the Flt Ctrl 629 Bus-L.
- (3) Push the ADIRU switch on the overhead panel, P5, to ON.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message while the ADIRU operates (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE or LATCHED for the maintenance message while the ADIRU operates, then continue.
- (4) Do this check of the wiring:

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- (a) Push the ADIRU switch on the overhead panel, P5, to OFF.
- (b) Disconnect connector DB34106 from the coupler, B34106.
- (c) Disconnect connector DM34001A from the ADIRU, M34001.
- (d) Do a wiring check between these pins of connector DM34001A at the E3-3 shelf and connector DB34106 at the P112 panel (WDM 34-21-11):

DM34001A	DB34106
pin 12	pin 2
pin 11	pin 1
pin 14	pin 5
pin 3	pin 4

- (e) 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 connectors DM34001A and DB34106.
 - 3) Push the ADIRU switch on the overhead panel, P5, to ON.
 - 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, do these steps:
 - 1) Re-connect connector DB34106.
 - 2) 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.

- 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. AOA Sensor Left Signal Disagree With Signals From AOA Sensor Right Signals - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-25601.

B. Fault Isolation Procedure

- (1) Replace the left Angle of Attack (AOA) sensor, M34103.

These are the tasks:

Angle of Attack Sensor Removal, AMM TASK 34-21-04-000-801,

Angle of Attack Sensor Installation, AMM TASK 34-21-04-400-801.

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

————— END OF TASK —————

809. TAT Signals From Probe Element 1 Disagree With Element 2 Signals - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-25800.

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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 the maintenance message, then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Do this check of the wiring:
 - (a) Disconnect connector DM34003 from the TAT probe.
 - (b) Measure the resistance between these pairs of pins on connector, DM34003, of the TAT probe (WDM 34-21-43):
 - 1) Pin 2 and pin 5, specified resistance 400 to 600 ohms
 - 2) Pin 3 and pin 4, specified resistance 400 to 600 ohms.
 - (c) If the resistance is not in the range specified or the two resistance measurements are not within ± 5 ohms, replace the total air temperature (TAT) probe, M34003.

These are the tasks:

Total Air Temperature Probe - Removal, AMM TASK 34-21-05-000-801,

Total Air Temperature Probe - Installation, AMM TASK 34-21-05-400-801.

- 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 ACTIVE for the the maintenance message, then continue.
 - (d) If the resistance is in the range specified for each pair of pins, 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(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.
- (4) 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) Disconnect connector DM34003 from the TAT probe.
 - (c) Do a wiring check between these pins of connector DM34003 at the TAT probe and the IOM connector J240-B at the left AIMS cabinet (WDM 34-21-43):



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DM34003	J240-B
pin 3	pin D18
pin 4	pin D19

- (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.
 - 3) Re-connect connector DM34003 on the TAT probe.
 - 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(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.
- (5) 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) Disconnect connector DM34003 from the TAT probe.
 - (c) Do a wiring check between these pins of connector DM34003 at the TAT probe and the IOM connector J240-B at the right AIMS cabinet (WDM 34-21-43):

DM34003	J240-B
pin 2	pin D18
pin 5	pin D19

- (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 right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - 3) Re-connect connector DM34003 on the TAT probe.
 - 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** —————

810. ADM Left Pitot Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-26101.

B. Fault Isolation Procedure

- (1) Replace the left pitot air data module, 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.

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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 —————

811. ADM-L Pitot to Flt Ctrl 629 Bus-L Communication Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-26111.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 pitot air data module (ADM-L), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34102 on 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 pitot ADM-L to the Flt Ctrl 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 —————

812. ADM-L Static to Flt Ctrl 629 Bus-L Communication Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-26211.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the left static air data module (ADM-L), M34101.

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.

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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 ARINC 629 coupler, B34101 on 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 static ADM-L to the Flt Ctrl 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 —————

813. ADM-L Pitot No Output on Flt Ctrl 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-28813.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 pitot air data module (ADM-L), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34102 on 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 pitot ADM-L to the Flt Ctrl 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:
 - (a) Disconnect connector DB34102 from the coupler, B34102.
 - (b) Disconnect connector DM34102A from the pitot ADM-L, M34102.
 - (c) Do a wiring check between these pins of connector DB34102 at the P112 panel and connector DM34102A at the pitot ADM-L (WDM 34-21-31):

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DB34102	DM34102A
pin 2	pin 2
pin 1	pin 1
pin 5	pin 5
pin 4	pin 4

- (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 connectors DB34102 and DM34102A.
 - 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 ————

814. ADM-L Static No Output on Flt Ctrl 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-28816.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 static air data module (ADM-L), M34101.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34101 on 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 static ADM-L to the Flt Ctrl 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:
- (a) Disconnect connector DB34101 from coupler, B34101.
- (b) Disconnect connector DM34101A from the static ADM-L, M34101.
- (c) Do a wiring check between these pins of connector DB34101 at the P112 panel and connector DM34101A at the static ADM-L (WDM 34-21-31):

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DB34101

pin 2 pin 2
pin 1 pin 1
pin 5 pin 5
pin 4 pin 4

DM34101A

- (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 connectors DB34101 and DM34101A.
 - 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

815. ADIRU No Input from ADM-L Pitot on Flt Ctrl 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-29102.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the left pitot air data module (ADM-L), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34105, 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 ADIRU to the Flt Ctrl 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, B34106, 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 ADIRU to the Flt Ctrl 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, B34102, 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 pitot ADM-L to the Flt Ctrl 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 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.

- (a) 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. ADIRU No Input from ADM-L Static on Flt Ctrl 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-29105.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 static air data module (ADM-L), M34101.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34105, 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 ADIRU to the Flt Ctrl 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 ARINC 629 coupler, B34106, 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 ADIRU to the Flt Ctrl 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, B34101, 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 static ADM-L to the Flt Ctrl 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) 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance 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** —————

817. ADIRU No Input from AIMS-L on 629 Flt Ctrl Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-29107.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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, B34105, 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 ADIRU to the Flt Ctrl 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.
- (2) Replace the ARINC 629 coupler, B34106, 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 ADIRU to the Flt Ctrl 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 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.
- (4) 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.
- (5) 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) module to the Flt Ctrl 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) 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) module to the Flt Ctrl 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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- (7) 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.

- (a) 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. SAARU to Flt Ctrl 629 Bus-L Communication Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-30711.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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, B34103, 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 SAARU to the Flt Ctrl 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) Do this check of the wiring:
- (a) Remove 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.
- (b) Disconnect connector DB34103 from the Flt Ctrl 629 Bus-L coupler, B34103.
- (c) Do a wiring check between these pins of connector DM34002AA at the E2-7 shelf and connector DB34103 at the P112 panel (WDM 34-21-21):

DM34002AA	DB34103
pin 10T	pin 2
pin 10TR	pin 1
pin 7T	pin 5
pin 7TR	pin 4

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Install the SAARU, M34002.

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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.

- 3) Re-connect DB34103.
- 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) 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.

- (a) 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. SAARU Software Configuration Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 34-30760, 34-38310.

B. Fault Isolation Procedure

- (1) Do a check of the system configuration for air data inertial reference system (ATA 34) on the MAT.
 - (a) Find Secondary Attitude Air Data Reference Unit (SAARU) on the display and make sure that the software part numbers are correct.
 - (b) If a part number is incorrect, install software in the SAARU. To install it, do this task: Secondary Attitude Air Data Reference Unit (SAARU) Software Installation, AMM TASK 34-21-02-420-801.
 - (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** —————

820. SAARU Output Problems on Standby Attitude 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-30780.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, 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.

————— **END OF TASK** —————

821. AOA Sensor Left No Output to IOM(M009) - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-31601.

B. Fault Isolation Procedure

- (1) Replace the left Angle of Attack (AOA) Sensor, M34103.

These are the tasks:

Angle of Attack Sensor Removal, AMM TASK 34-21-04-000-801,

Angle of Attack Sensor Installation, AMM TASK 34-21-04-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 from 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 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 DM34103A from the left AOA.
 - (c) Do a wiring check between these pins of connector DM34103A at the left AOA and the IOM connector J420-B at the left AIMS cabinet (WDM 34-21-41):

DM34103A

pin 1	.....	pin D9
pin 2	.....	pin E10
pin 3	.....	pin C10
pin 4	.....	pin C11
pin 5	.....	pin D10

J420-B

- (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-connect connector DM34103A on the left AOA.

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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. **AOA Sensor Left No Output to IOM(M004) - Fault Isolation**

A. Maintenance Messages

- (1) This task is for maintenance messages: 34-32601, 34-32803.

B. Fault Isolation Procedure

- (1) Replace the left Angle of Attack (AOA) Sensor, M34103.

These are the tasks:

Angle of Attack Sensor Removal, AMM TASK 34-21-04-000-801,

Angle of Attack Sensor Installation, AMM TASK 34-21-04-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 from 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 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 DM34103B from the left AOA.
 - (c) Do a wiring check between these pins of connector DM34103B at the left AOA and the IOM connector J250-B at the left AIMS cabinet (WDM 34-21-41):

DM34103B	J250-B
pin 1	pin D9
pin 2	pin E10
pin 3	pin C10
pin 4	pin C11
pin 5	pin D10

- (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-connect connector DM34103B on the left AOA.
 - 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. SAARU No Output on Standby Altitude 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

- (1) 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance 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 —————

825. SAARU No Input From Any LRU on Flt Ctrl 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-39101.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34103, 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 SAARU to the Flt Ctrl 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 SAARU to the coupler:

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- (a) Remove the SAARU, M34002. To remove it, do this task: Secondary Attitude Air Data Reference Unit Removal, AMM TASK 34-21-02-000-801.
- (b) Disconnect connector DB34103 from the coupler, B34103.
- (c) Do a wiring check between these pins of the connector DM34002AA at the E2-7 shelf and connector DB34103 at the P112 panel (WDM 34-21-21):

DM34002AA	DB34103
pin 7T	pin 5
pin 7TR	pin 4
pin 10T	pin 2
pin 10TR	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 DB34103.
 - 3) Re-install the SAARU, M34002. To install it, do this task: Secondary Attitude Air Data Reference Unit Installation, AMM TASK 34-21-02-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

— END OF TASK —

826. SAARU No Input From ADM-L Pitot on Flt Ctrl 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-39103.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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, B34103, 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 SAARU to the Flt Ctrl 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 left pitot ADM, 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.

- (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, B34102, 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 left pitot ADM to the Flt Ctrl 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 this check of the wiring from the SAARU to the coupler:
- (a) Remove the SAARU, M34002. To remove it, do this task: Secondary Attitude Air Data Reference Unit Removal, AMM TASK 34-21-02-000-801.
- (b) Disconnect connector DB34103 from the coupler, B34103.
- (c) Do a wiring check between these pins of the connector DM34002AA at the E2-7 shelf and connector DB34103 at the P112 panel (WDM 34-21-21):

DM34002AA	DB34103
pin 7T	pin 5
pin 7TR	pin 4
pin 10T	pin 2
pin 10TR	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 DB34103.
 - 3) Re-install the SAARU, M34002. To install it, do this task: Secondary Attitude Air Data Reference Unit Installation, AMM TASK 34-21-02-400-801.
 - 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.
- (5) Do this check of the wiring from the left pitot ADM to the coupler:
- (a) Remove the left pitot ADM, 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) Disconnect connector DB34102 from the coupler, B34102.
- (c) Do a wiring check between these pins of the connector DM34102A at the left pitot ADM and connector DB34102 at the P112 panel (WDM 34-21-31):

DM34102A	DB34102
pin 2	pin 2
pin 1	pin 1
pin 5	pin 5
pin 4	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 20-13-00).
 - 2) Re-connect connector DB34102.
 - 3) Re-install the left pitot ADM, M34102. To install it, do this task: Pitot Air Data Module Installation, AMM TASK 34-21-03-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (6) 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.

 - (a) 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. SAARU No Input From ADM-L Static on Flt Ctrl 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-39106.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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, B34103, 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 SAARU to the Flt Ctrl 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 left static ADM, M34101.

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.

 - (a) If the MAT shows NOT ACTIVE for the maintenance message (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, B34101, in the P112 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 left static ADM to the Flt Ctrl 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 this check of the wiring from the SAARU to the coupler:
 - (a) Remove the SAARU, M34002. To remove it, do this task: Secondary Attitude Air Data Reference Unit Removal, AMM TASK 34-21-02-000-801.
 - (b) Disconnect connector DB34103 from the coupler, B34103.
 - (c) Do a wiring check between these pins of the connector DM34002AA at the E2-7 shelf and connector DB34103 at the P112 panel (WDM 34-21-21):

DM34002AA	DB34103
pin 7T	pin 5
pin 7TR	pin 4
pin 10T	pin 2
pin 10TR	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 DB34103.
 - 3) Re-install the SAARU, M34002. To install it, do this task: Secondary Attitude Air Data Reference Unit Installation, AMM TASK 34-21-02-400-801.
 - 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.
- (5) Do this check of the wiring from the left static ADM to the coupler:
 - (a) Remove the left static ADM, M34101. To remove it, do this task: Static Air Data Module Removal, AMM TASK 34-21-03-000-802.
 - (b) Disconnect connector DB34101 from the coupler, B34101.
 - (c) Do a wiring check between these pins of the connector DM34101A at the left static ADM and connector DB34101 at the P112 panel (WDM 34-21-31):

DM34101A	DB34101
pin 2	pin 2
pin 1	pin 1
pin 5	pin 5
pin 4	pin 4

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 (SWPM 20-13-00).
 - 2) Re-connect connector DB34101.

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- 3) Re-install the left static ADM, M34101. To install it, do this task: Static Air Data Module Installation, AMM TASK 34-21-03-400-802.
- 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.
- (6) 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.
- (a) 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. SAARU No Input From AIMS-L on Flt Ctrl 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-39111.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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(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) Replace the ARINC 629 coupler, B34103, 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 SAARU to the Flt Ctrl 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, 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) module to the Flt Ctrl 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, 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) module to the Flt Ctrl 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) 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.
- (a) 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. SAARU No Input From ADIRU on Flt Ctrl 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-39118.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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, B34103, 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 SAARU to the Flt Ctrl 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.
- (2) Replace the ARINC 629 coupler, B34105, 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 ADIRU to the Flt Ctrl 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, B34106, 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 ADIRU to the Flt Ctrl 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 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance 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 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.

- (a) 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. ADIRU to Flt Ctrl 629 Bus-C Coupler 1 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-20012.

B. 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:

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- (a) Push the ADIRU switch on the overhead panel, P5, to OFF.
- (b) Wait for 15 seconds.
- (c) Push the ADIRU switch on the overhead panel, P5, to ON.
- (d) If the MAT shows ACTIVE or LATCHED for the maintenance message, then do the Fault Isolation Procedure below.
- (e) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Push the ADIRU switch on the overhead panel, P5, to OFF.
- (2) Replace the ARINC 629 coupler, B34305, 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 ADIRU to the Flt Ctrl Bus-C.

- (3) Push the ADIRU switch on the overhead panel, P5, to ON.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE or LATCHED for the maintenance message, then continue.
- (4) Do this check of the wiring:
 - (a) Push the ADIRU switch on the overhead panel, P5, to OFF.
 - (b) Disconnect connector DB34305 from the coupler, B34305.
 - (c) Disconnect connector DM34001B from the ADIRU, M34001.
 - (d) Do a wiring check between these pins of connector DM34001B at the E3-3 shelf and connector DB34305 at the P312 panel (WDM 34-21-11):

DM34001B	DB34305
pin 6	pin 2
pin 5	pin 1
pin 8	pin 5
pin 9	pin 4

- (e) 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 connectors DM34001B and DB34305.
 - 3) 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 do these steps:
 - 1) Re-connect connectors DB34305.
 - 2) 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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- 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** —————

831. **ADIRU to Flt Ctrl 629 Bus-R Coupler 1 Problems - Fault Isolation**

A. Maintenance Messages

- (1) This task is for maintenance message: 34-20013.

B. 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) Push the ADIRU switch on the overhead panel, P5, to OFF.
 - (b) Wait for 15 seconds.
 - (c) Push the ADIRU switch on the overhead panel, P5, to ON.
 - (d) If the MAT shows ACTIVE or LATCHED for the maintenance message, then do the Fault Isolation Procedure below.
 - (e) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Push the ADIRU switch on the overhead panel, P5, to OFF.
- (2) Replace the ARINC 629 coupler, B34205, 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 ADIRU to the Flt Ctrl Bus-R.

- (3) Push the ADIRU switch on the overhead panel, P5, to ON.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE or LATCHED for the maintenance message, then continue.
- (4) Do this check of the wiring:
 - (a) Push the ADIRU switch on the overhead panel, P5, to OFF.
 - (b) Disconnect connector DB34205 from the coupler, B34205.
 - (c) Disconnect connector DM34001C from the ADIRU, M34001.
 - (d) Do a wiring check between these pins of connector DM34001C at the E3-3 shelf and connector DB34205 at the P212 panel (WDM 34-21-11):

DM34001C		DB34205
pin 6	.....	pin 2
pin 5	.....	pin 1
pin 8		pin 5
pin 9		pin 4

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

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- 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
 - 2) Re-connect connectors DM34001C and DB34205.
 - 3) 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 do these steps:
- 1) Re-connect connectors DB34205.
 - 2) 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.
- 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** —————

832. ADIRU Center Primary Power Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-20032.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 of the ADIRU 28V DC power:
 - (a) Push the ADIRU switch on the overhead panel, P5, to OFF.
 - (b) Disconnect connector DM34001E from the ADIRU, M34001.
 - (c) Do a check for 28 VDC from pin 9 of connector DM34001E to structure ground (WDM 34-21-11).
 - (d) If there is not 28 VDC at pin 9 of connector DM34001E, do these steps:
 - 1) Replace this circuit breaker:
(WDM 34-21-11)

Right Power Management Panel, P210

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
N	3	C34619	ADIRU PRI PWR C

- 2) Re-connect connector DM34001E.
 - 3) Push the ADIRU switch on the overhead panel, P5, to ON.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If there is 28 VDC at pin 9 of connector DM34001E, then continue.
- (2) Replace the ADIRU, M34001.

These are the tasks:

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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** —————

833. ADIRU Right Primary Power Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-20033.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 of the ADIRU 28V DC power:
- (a) Push the ADIRU switch on the overhead panel, P5, to OFF.
- (b) Disconnect connector DM34001E from the ADIRU, M34001.
- (c) Do a check for 28 VDC from pin 9 of connector DM34001F to structure ground (WDM 34-21-11).
- (d) If there is not 28 VDC at pin 9 of connector DM34001F, do these steps:
- 1) Replace this circuit breaker:
(WDM 34-21-11)

Right Power Management Panel, P210

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
N	2	C34618	ADIRU PRI PWR R

- 2) Re-connect connector DM34001F.
- 3) Push the ADIRU switch on the overhead panel, P5, to ON.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If there is 28 VDC at pin 9 of connector DM34001F, then continue.
- (2) 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.

- (a) 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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834. ADIRU to Flt Ctrl 629 Bus-C Coupler 2 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-20072.

B. 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) Push the ADIRU switch on the overhead panel, P5, to OFF.
 - (b) Wait for 15 seconds.
 - (c) Push the ADIRU switch on the overhead panel, P5, to ON.
 - (d) If the MAT shows ACTIVE or LATCHED for the maintenance message while the ADIRU operates, then do the Fault Isolation Procedure below.
 - (e) If the MAT shows NOT ACTIVE for the maintenance message while the ADIRU operates, then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Push the ADIRU switch on the overhead panel, P5, to OFF.
- (2) Replace the ARINC 629 coupler, B34306, 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 ADIRU to the Flt Ctrl 629 Bus-C.

- (3) Push the ADIRU switch on the overhead panel, P5, to ON.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message while the ADIRU operates (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE or LATCHED for the maintenance message while the ADIRU operates, then continue.
- (4) Do this check of the wiring:
 - (a) Push the ADIRU switch on the overhead panel, P5, to OFF.
 - (b) Disconnect connector DB34306 from the coupler, B34306.
 - (c) Disconnect connector DM34001B from the ADIRU, M34001.
 - (d) Do a wiring check between these pins of connector DM34001B at the E3-3 shelf and connector DB34306 at the P312 panel (WDM 34-21-11):

DM34001B	DB34306
pin 12	pin 2
pin 11	pin 1
pin 14	pin 5
pin 3	pin 4

- (e) 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 connectors DM34001B and DB34306.

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- 3) Push the ADIRU switch on the overhead panel, P5, to ON.
- 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.
 - 1) Re-connect connector DB34306.
 - 2) 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.

- (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. ADIRU to Flt Ctrl 629 Bus-R Coupler 2 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-20073.

B. 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) Push the ADIRU switch on the overhead panel, P5, to OFF.
 - (b) Wait for 15 seconds.
 - (c) Push the ADIRU switch on the overhead panel, P5, to ON.
 - (d) If the MAT shows ACTIVE or LATCHED for the maintenance message while the ADIRU operates, then do the Fault Isolation Procedure below.
 - (e) If the MAT shows NOT ACTIVE for the maintenance message while the ADIRU operates, then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Push the ADIRU switch on the overhead panel, P5, to OFF.
- (2) Replace the ARINC 629 coupler, B34206, 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 ADIRU to the Flt Ctrl 629 Bus-R.

- (3) Push the ADIRU switch on the overhead panel, P5, to ON.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message while the ADIRU operates (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE or LATCHED for the maintenance message while the ADIRU operates, then continue.
- (4) Do this check of the wiring:
 - (a) Push the ADIRU switch on the overhead panel, P5, to OFF.

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- (b) Disconnect connector DB34206 from the coupler, B34206.
- (c) Disconnect connector DM34001C from the ADIRU, M34001.
- (d) Do a wiring check between these pins of connector DM34001C at the E3-3 shelf and connector DB34206 at the P212 panel (WDM 34-21-11):

DM34001C	DB34206
pin 12	pin 2
pin 11	pin 1
pin 14	pin 5
pin 3	pin 4

- (e) 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 connectors DM34001C and DB34206.
 - 3) Push the ADIRU switch on the overhead panel, P5, to ON.
 - 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, do these steps:
 - 1) Re-connect connector DB34206.
 - 2) 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.
 - 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 —

836. ADIRU Left Battery Power Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-20081.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 of the ADIRU 24V DC power:
 - (a) Push the ADIRU switch on the overhead panel, P5, to OFF.
 - (b) Disconnect connector DM34001D from the ADIRU, M34001.
 - (c) Do a check for 24 VDC from pin 4 of connector DM34001D to structure ground (WDM 34-21-11).
 - (d) If there is not 24 VDC at pin 4 of connector DM34001D, do these steps:

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- 1) Replace this circuit breaker:
(WDM 34-21-11)

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<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
P	25	C34617	ADIRU PRI PWR L

- 2) Re-connect connector DM34001D.
 - 3) Push the ADIRU switch on the overhead panel, P5, to ON.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If there is 24 VDC at pin 4 of connector DM34001D, do these steps:
- 1) 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.
 - 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 —————

837. ADIRU Center Battery Power Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-20082.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 of the ADIRU 24V DC power:
 - (a) Push the ADIRU switch on the overhead panel, P5, to OFF.
 - (b) Disconnect connector DM34001E from the ADIRU, M34001.
 - (c) Do a check for 24 VDC from pin 4 of connector DM34001E to structure ground (WDM 34-21-11).
 - (d) If there is not 24 VDC at pin 4 of connector DM34001E, do these steps:
 - 1) Replace this circuit breaker:
(WDM 34-21-11)

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
P	25	C34617	ADIRU PRI PWR L

- 2) Re-connect connector DM34001E.
- 3) Push the ADIRU switch on the overhead panel, P5, to ON.

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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 there is 24 VDC at pin 4 of connector DM34001E, do these steps:
 - 1) 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.
 - 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 —

838. ADIRU Right Battery Power Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-20083.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 of the ADIRU 24V DC power:
 - (a) Push the ADIRU switch on the overhead panel, P5, to OFF.
 - (b) Disconnect connector DM34001F from the ADIRU, M34001.
 - (c) Do a check for 24 VDC from pin 4 of connector DM34001F to structure ground (WDM 34-21-11).
 - (d) If there is not 24 VDC at pin 4 of connector DM34001F, do these steps:
 - 1) Replace this circuit breaker:
(WDM 34-21-11)

Standby Power Management Panel, P310

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
K	3	C34604	ADIRU BAT PWR R

- 2) Re-connect connector DM34001F.
- 3) Push the ADIRU switch on the overhead panel, P5, to ON.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If there is 24 VDC at pin 4 of connector DM34001F, do these steps:
 - 1) 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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- 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. ADM Center Pitot Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-26102.

B. Fault Isolation Procedure

- (1) Replace the center pitot air data module, 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.

- (a) 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. ADM Right Pitot Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-26103.

B. Fault Isolation Procedure

- (1) Replace the right pitot air data module, 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.

- (a) 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. ADM-C Pitot to Flt Ctrl 629 Bus-C Communication Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-26112.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 pitot air data module (ADM-C), 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.

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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 ARINC 629 coupler, B34302 on 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 pitot ADM-C to the Flt Ctrl 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. ADM-R Pitot to Flt Ctrl 629 Bus-R Communication Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-26113.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 pitot air data module (ADM-R), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34202 on 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 pitot ADM-R to the Flt Ctrl 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** —————

843. ADM-L Static Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-26201.

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B. Fault Isolation Procedure

- (1) Replace the left static air data module, M34101.

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.

- (a) 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. ADM-C Static Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-26202.

B. Fault Isolation Procedure

- (1) Replace the left static air data module, 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.

- (a) 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. ADM-R Static Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-26203.

B. Fault Isolation Procedure

- (1) Replace the right static air data module, 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.

- (a) 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. ADM-C Static to Flt Ctrl 629 Bus-C Communication Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-26212.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, 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 center static air data module (ADM-C), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34301 on 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 static ADM-C to the Flt Ctrl 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. ADM-R Static to Flt Ctrl 629 Bus-R Communication Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-26213.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 static air data module (ADM-R), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34201 on 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 static ADM-R to the Flt Ctrl 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** —————

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848. ADIRU No Output on Any Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-28801.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 ADIRU switch on the P5 panel is in the OFF position, push the switch to the ON position.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message, then no maintenance action is necessary.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Push the ADIRU switch on the P5 panel to the OFF position.
- (3) Wait for more than 30 seconds and then push the ADIRU switch on the P5 panel to 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.
- (4) Airplanes with ADIRU OPS software P/N 3477-HNC-100-03 or P/N 3477-HNC-100-04 or P/N 3476-HNC-100-05;
 - (a) Do a reload of the ADIRU OPS software if all of the following conditions are true:
 - 1) NAV ADIRU INERTIAL is displayed on EICAS
 - 2) There is no box prompt under the SET INERTIAL POS field on the CDU page POS INIT 1/3
 - 3) The first officer's altitude and airspeed tapes are normal when the F/O ATT/AIR DATA switch is selected to the ALTN position.
 - (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 or LATCHED for the maintenance message, then continue.
- (5) 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.
- (a) 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. ADIRU No Output on Flt Ctrl 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-28810.

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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: 27 Primary Flight Control System, System Test, Transmitter Reset Test.
 - (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 ARINC 629 coupler, B34105, 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 ADIRU to the Flt Ctrl 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, B34106, 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 ADIRU to the Flt Ctrl 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 ADIRU to the coupler:
 - (a) Push the ADIRU switch on the overhead panel, P5, to OFF.
 - (b) Disconnect connector DB34105 from the coupler, B34105.
 - (c) Disconnect connector DB34106 from the coupler, B34106.
 - (d) Disconnect connector DM34001A from the ADIRU, M34001.
 - (e) Do a wiring check between these pins of connector DM34001A at the E3-3 shelf and connectors DB34105 and DB34106 at the P112 panel (WDM 34-21-11):

DM34001A

pin 6		pin 2
pin 5		pin 1
pin 8		pin 5
pin 9		pin 4

DB34105

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DM34001A

pin 12 pin 2
pin 11 pin 1
pin 14 pin 5
pin 3 pin 4

DB34106

- (f) 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 connectors DM34001A, DB34105, and DB34106.
 - 3) Push the ADIRU switch on the overhead panel, P5, to ON.
 - 4) 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 wiring, then continue.
- (4) Airplanes with ADIRU OPS software P/N 3477-HNC-100-04 or P/N 3476-HNC-100-05;
 - (a) Do a reload of the ADIRU OPS software if all of the following conditions are true:
 - 1) NAV ADIRU INERTIAL is displayed on EICAS
 - 2) The box prompt is not displayed on the CDU page POS INIT 1/3, under the SET INERTIAL POS field
 - 3) The first officer's altitude and airspeed tapes are normal when the F/O ATT/AIR DATA switch is selected to the ALTN position.
 - (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 or LATCHED for the maintenance message, then continue.
- (5) 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.

- (a) 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. ADM-C Pitot No Output on Flt Ctrl 629 Bus-C - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-28824.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 pitot air data module (ADM-C), M34302.

These are the tasks:

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Pitot Air Data Module Removal, AMM TASK 34-21-03-000-801,
Pitot Air Data Module Installation, AMM TASK 34-21-03-400-801.

- (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) Replace the ARINC 629 coupler, B34302 on 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 pitot ADM-C to the Flt Ctrl 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:
 - (a) Disconnect connector DB34302 from the coupler, B34302.
 - (b) Disconnect connector DM34302A from the pitot ADM-C, M34302.
 - (c) Do a wiring check between these pins of connector DB34302 at the P312 panel and connector DM34302A at the pitot ADM-C (WDM 34-21-33):

DB34302	DM34302A
pin 2	pin 2
pin 1	pin 1
pin 5	pin 5
pin 4	pin 4

- (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 connectors DB34302 and DM34302A.
 - 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** —————

851. **ADM-C Static No Output on Flt Ctrl 629 Bus-C - Fault Isolation**

A. Maintenance Messages

- (1) This task is for maintenance message: 34-28827.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 static air data module (ADM-C), M34301.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34301 on 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 static ADM-C to the Flt Ctrl 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:
 - (a) Disconnect connector DB34301 from the coupler, B34301.
 - (b) Disconnect connector DM34301A from the static ADM-C, M34301.
 - (c) Do a wiring check between these pins of connector DB34301 at the P312 panel and connector DM34301A at the static ADM-C (WDM 34-21-33):

DB34301	DM34301A
pin 2	pin 2
pin 1	pin 1
pin 5	pin 5
pin 4	pin 4

- (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 connectors DB34301 and DM34301A.
 - 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** —————

852. **ADIRU No Output on Flt Ctrl 629 Bus-R - Fault Isolation**

A. Maintenance Messages

- (1) This task is for maintenance message: 34-28830.

B. 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: 27 Primary Flight Control System, System Test, Transmitter Reset Test.
 - (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 ARINC 629 coupler, B34205, 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 ADIRU to the Flt Ctrl 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, B34206, 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 ADIRU to the Flt Ctrl 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 ADIRU to the coupler:
- (a) Push the ADIRU switch on the overhead panel, P5, to OFF.
- (b) Disconnect connector DB34205 from the coupler, B34205.
- (c) Disconnect connector DB34206 from the coupler, B34206.
- (d) Disconnect connector DM34001C from the ADIRU, M34001.
- (e) Do a wiring check between these pins of connector DM34001C at the E3-3 shelf and connectors DB34205 and DB34206 at the P212 panel (WDM 34-21-11):

DM34001C	DB34205
pin 6	pin 2
pin 5	pin 1
pin 8	pin 5
pin 9	pin 4

DM34001C	DB34206
pin 12	pin 2
pin 11	pin 1
pin 14	pin 5
pin 3	pin 4

- (f) 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 connectors DM34001C, DB34205, and DB34206.
- 3) Push the ADIRU switch on the overhead panel, P5, to ON.
- 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 you do not find a problem with the wiring, then continue.
- (4) Airplanes with ADIRU OPS software P/N 3477-HNC-100-04 or P/N 3476-HNC-100-05;
 - (a) Do a reload of the ADIRU OPS software if all of the following conditions are true:
 - 1) NAV ADIRU INERTIAL is displayed on EICAS
 - 2) The box prompt is not displayed on the CDU page POS INIT 1/3, under the SET INERTIAL POS field
 - 3) The first officer's altitude and airspeed tapes are normal when the F/O ATT/AIR DATA switch is selected to the ALTN position.
 - (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 or LATCHED for the maintenance message, then continue.
- (5) 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.

- (a) 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. ADM-R Pitot No Output on Flt Ctrl 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-28835.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 pitot air data module (ADM-R), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34202 on 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 pitot ADM-R to the Flt Ctrl 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.
- (3) Do this check of the wiring:
 - (a) Disconnect connector DB34202 from the coupler, B34202.
 - (b) Disconnect connector DM34202A from the pitot ADM-R, M34202.
 - (c) Do a wiring check between these pins of connector DB34202 at the P212 panel and connector DM34202A at the pitot ADM-R (WDM 34-21-32):

DB34202	DM34202A
pin 2	pin 2
pin 1	pin 1
pin 5	pin 5
pin 4	pin 4

- (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 connectors DB34202 and DM34202A.
 - 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 —

854. ADM-R Static No Output on Flt Ctrl 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-28838.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 static air data module (ADM-R), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34201 on 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 static ADM-R to the Flt Ctrl 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.
- (3) Do this check of the wiring:
- (a) Disconnect connector DB34201 from the coupler, B34201.
 - (b) Disconnect connector DM34201A from the static ADM-R, M34201.
 - (c) Do a wiring check between these pins of connector DB34201 at the P212 panel and connector DM34201A at the static ADM-R (WDM 34-21-32):
- | DB34201 | DM34201A |
|-----------------|----------|
| pin 2 | pin 2 |
| pin 1 | pin 1 |
| pin 5 | pin 5 |
| pin 4 | pin 4 |
- (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 connectors DB34201 and DM34201A.
 - 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 —

855. ADM-L Pitot No Input from ADIRU on Flt Ctrl 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-29109.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 pitot air data module (ADM-L), 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34102, 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 pitot ADM-L to the Flt Ctrl 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) Replace the ARINC 629 coupler, B34105, 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 ADIRU to the Flt Ctrl 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, B34106, 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 ADIRU to the Flt Ctrl 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 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.
- (a) 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. ADIRU No Input from PFC-L on Flt Ctrl 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-29113.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 primary flight computer (PFC-L), 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance 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 ARINC 629 coupler, B34105, 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 ADIRU to the Flt Ctrl 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, B34106, 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 ADIRU to the Flt Ctrl 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, B27011, 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 PFC-L to the Flt Ctrl 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, 27021, 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 PFC-L to the Flt Ctrl 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) Replace the ARINC 629 coupler, 27031, 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 PFC-L to the Flt Ctrl 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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- (7) 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.

- (a) 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. ADM-L Pitot No Input from PFC-L on Flt Ctrl 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-29115.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 pitot air data module (ADM-L), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 primary flight computer (PFC-L), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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, B34102, 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 pitot ADM-L to the Flt Ctrl 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, B27011, in the P112 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 PFC-L to the Flt Ctrl 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, 27021, 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 PFC-L to the Flt Ctrl 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) Replace the ARINC 629 coupler, 27031, 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 PFC-L to the Flt Ctrl 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** —————

858. ADIRU to Flt Ctrl 629 Bus-C Communication Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-29201.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the ARINC 629 coupler, B34305, 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 ADIRU to the Flt Ctrl 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.
- (2) Replace the ARINC 629 coupler, B34306, in the P312 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 ADIRU to the Flt Ctrl 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 ADIRU to the coupler:
 - (a) Push the ADIRU switch on the overhead panel, P5, to OFF.
 - (b) Disconnect connector DB34305 from the coupler, B34305.
 - (c) Disconnect connector DB34306 from the coupler, B34306.
 - (d) Disconnect connector DM34001B from the ADIRU, M34001.
 - (e) Do a wiring check between these pins of connector DM34001B at the E3-3 shelf and connectors DB34305 and DB34306 at the P312 panel (WDM 34-21-11):

DM34001B	DB34305
pin 6	pin 2
pin 5	pin 1
pin 8	pin 5
pin 9	pin 4

DM34001B	DB34306
pin 12	pin 2
pin 11	pin 1
pin 14	pin 5
pin 3	pin 4

- (f) 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 connectors DM34001B, DB34305, and DB34306.
 - 3) Push the ADIRU switch on the overhead panel, P5, to ON.
 - 4) 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 wiring, then continue.
- (4) 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.

- (a) 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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859. ADIRU No Input from ADM-C Pitot on Flt Ctrl 629 Bus-C - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-29202.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 pitot air data module (ADM-C), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34305, 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 ADIRU to the Flt Ctrl 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, B34306, 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 ADIRU to the Flt Ctrl 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, B34302, 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 pitot ADM-C to the Flt Ctrl 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.

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- (5) 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.

- (a) 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. ADIRU No Input from ADM-C Static on Flt Ctrl 629 Bus-C - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-29204.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 static air data module (ADM-C), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34305, 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 ADIRU to the Flt Ctrl 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, B34306, 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 ADIRU to the Flt Ctrl 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, B34301, in the P312 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 static ADM-C to the Flt Ctrl 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.
- (5) 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.

- (a) 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. ADIRU No Input from PFC-C on Flt Ctrl 629 Bus-C - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-29214.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 primary flight computer (PFC-C), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34305, 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 ADIRU to the Flt Ctrl 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, B34306, in the P312 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 ADIRU to the Flt Ctrl 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, B27073, 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 PFC-C to the Flt Ctrl 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.
- (5) Replace the ARINC 629 coupler, 27083, 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 PFC-C to the Flt Ctrl 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.
- (6) Replace the ARINC 629 coupler, 27093, 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 PFC-C to the Flt Ctrl 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.
- (7) 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.

- (a) 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. ADM-C Pitot No Input from PFC-C on Flt Ctrl 629 Bus-C - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-29216.

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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 center pitot air data module (ADM-C), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 primary flight computer (PFC-C), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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, B34302, 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 pitot ADM-C to the Flt Ctrl 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, B27073, 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 PFC-C to the Flt Ctrl 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.
- (5) Replace the ARINC 629 coupler, 27083, 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 PFC-C to the Flt Ctrl 629 Bus-C.

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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, 27093, 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 PFC-C to the Flt Ctrl 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 —————

863. ADM-C Pitot No Input from SAARU on Flt Ctrl 629 Bus-C - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-29222.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 pitot air data module (ADM-C), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34302, 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 pitot ADM-C to the Flt Ctrl 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, B34303, 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 SAARU to the Flt Ctrl 629 Bus-C.

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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 secondary attitude air data reference unit (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.

- (a) 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. ADIRU No Input from Pitot ADM-R on Flt Ctrl 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-29303.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 pitot air data module (ADM-R), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34205, 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 ADIRU to the Flt Ctrl 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 ARINC 629 coupler, B34206, 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 ADIRU to the Flt Ctrl 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, B34202, 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 pitot ADM-R to the Flt Ctrl 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) 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.

- (a) 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. ADIRU No Input from Static ADM-R on Flt Ctrl 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-29306.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 static air data module (ADM-R), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34205, 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 ADIRU to the Flt Ctrl 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.
- (3) Replace the ARINC 629 coupler, B34206, 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 ADIRU to the Flt Ctrl 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, B34201, 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 static ADM-R to the Flt Ctrl 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) 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.

- (a) 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. ADIRU No Input from AIMS-R on 629 Flt Ctrl Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-29308.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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(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.

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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 ARINC 629 coupler, B34205, 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 ADIRU to the Flt Ctrl 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, B34206, 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 ADIRU to the Flt Ctrl 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) 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) module to the Flt Ctrl 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.
- (6) 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) module to the Flt Ctrl 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.
- (7) 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.
- (a) 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. ADM-R Pitot No Input from ADIRU on Flt Ctrl 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-29311.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 pitot air data module (ADM-R), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34205, 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 ADIRU to the Flt Ctrl 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 ARINC 629 coupler, B34206, 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 ADIRU to the Flt Ctrl 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.

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- (4) Replace the ARINC 629 coupler, B34202, 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 pitot ADM-R to the Flt Ctrl 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) 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.

- (a) 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. ADIRU No Input from PFC-R on Flt Ctrl 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-29315.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 primary flight computer (PFC-R), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34205, 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 ADIRU to the Flt Ctrl 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 ARINC 629 coupler, B34206, 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 ADIRU to the Flt Ctrl 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, B27042, 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 PFC-R to the Flt Ctrl 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) Replace the ARINC 629 coupler, 27052, 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 PFC-R to the Flt Ctrl 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.
- (6) Replace the ARINC 629 coupler, 27062, 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 PFC-R to the Flt Ctrl 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.
- (7) Replace the right pitot air data module (ADM-C), 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.

- (a) 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. ADM-R Pitot No Input from PFC-R on Flt Ctrl 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-29317.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 pitot air data module (ADM-C), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 primary flight computer (PFC-R), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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, B34202, 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 pitot ADM-R to the Flt Ctrl 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, B27042, 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 PFC-R to the Flt Ctrl 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) Replace the ARINC 629 coupler, 27052, 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 PFC-R to the Flt Ctrl 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.
- (6) Replace the ARINC 629 coupler, 27062, 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 PFC-R to the Flt Ctrl 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. SAARU Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-30700.

B. Fault Isolation Procedure

- (1) 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.

- (a) 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. SAARU to Flt Ctrl 629 Bus-C Communication Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 34-30712, 34-39201.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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, B34303, in the P312 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 SAARU to the Flt Ctrl 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.
- (2) Do this check of the wiring:
 - (a) Remove the SAARU, M34002. To remove it, do this task: Secondary Attitude Air Data Reference Unit Removal, AMM TASK 34-21-02-000-801.
 - (b) Disconnect connector DB34303 from the Flt Ctrl 629 Bus-C coupler, B34303.
 - (c) Do a wiring check between these pins of connector DM34002AA at the E2-7 shelf and connector DB34303 at the P312 panel (WDM 34-21-21):

DM34002AA	DB34303
pin 6T	pin 2
pin 6TR	pin 1
pin 9T	pin 5
pin 9TR	pin 4

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Install the SAARU, M34002. To install it, do this task: Secondary Attitude Air Data Reference Unit Installation, AMM TASK 34-21-02-400-801.
 - 3) Re-connect DB34303.
 - 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) 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.

- (a) 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. SAARU to Flt Ctrl 629 Bus-R Communication Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-30713.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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, B34203, 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 SAARU to the Flt Ctrl 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) Do this check of the wiring:
 - (a) Remove the SAARU, M34002. To remove it, do this task: Secondary Attitude Air Data Reference Unit Removal, AMM TASK 34-21-02-000-801.
 - (b) Disconnect connector DB34203 from the Flt Ctrl 629 Bus-R coupler, B34203.
 - (c) Do a wiring check between these pins of connector DM34002AA at the E2-7 shelf and connector DB34203 at the P212 panel (WDM 34-21-21):

DM34002AA	DB34203
pin 8T	pin 2
pin 8TR	pin 1
pin 5T	pin 5
pin 5TR	pin 4

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Install the SAARU, M34002. To install it, do this task: Secondary Attitude Air Data Reference Unit Installation, AMM TASK 34-21-02-400-801.
 - 3) Re-connect DB34203.
 - 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) 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.

- (a) 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. SAARU Communication Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-38801.

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B. Fault Isolation Procedure

NOTE: The fault that causes this maintenance message can also cause the FLIGHT CONTROL SYS EICAS message to display while on the ground, if the Air Data Inertial Reference Unit (ADIRU) is off or not aligned. The Primary Flight Computers (PFCs) will go into degraded mode if they do not receive valid air data or inertial signals, which triggers the FLIGHT CONTROL SYS EICAS message. The PFCs use the Secondary Attitude Air Data Reference Unit (SAARU) as a backup when ADIRU data is not available. If you make a decision to dispatch the airplane per Minimum Equipment List (MEL) for the SAARU and the FLIGHT CONTROL SYS EICAS message is displayed due to a SAARU fault, do as follows:

- Align the ADIRU.
- Apply hydraulic pressure to all three hydraulic systems.
- Cycle the PRIMARY FLIGHT COMPUTER DISC switch on the overhead panel to DISC for several seconds, then put the switch back to AUTO position.

The FLIGHT CONTROL SYS message will clear if it was caused by the SAARU fault. Operate the airplane per MEL procedures.

- (1) 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.

- (a) 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. SAARU No Input from PFC-L on Flt Ctrl 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-39115.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 primary flight computer (PFC-L), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34103, in the P112 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 SAARU to the Flt Ctrl 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, B27011, 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 PFC-L to the Flt Ctrl 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, 27021, 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 PFC-L to the Flt Ctrl 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, 27031, 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 PFC-L to the Flt Ctrl 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) 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.

- (a) 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. SAARU No Input From ADM-C Pitot on Flt Ctrl 629 Bus-C - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-39204.

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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 center pitot air data module (ADM-C), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34303, 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 SAARU to the Flt Ctrl 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, B34302, 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 pitot ADM-C to the Flt Ctrl 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 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.

- (a) 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. SAARU No Input From ADM-C Static on Flt Ctrl 629 Bus-C - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-39207.

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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 center static air data module (ADM-C), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34303, 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 SAARU to the Flt Ctrl 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, B34301, 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 static ADM-C to the Flt Ctrl 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 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.

- (a) 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. SAARU No Input from PFC-C on Flt Ctrl 629 Bus-C - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-39216.

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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 center primary flight computer (PFC-C), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34303, 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 SAARU to the Flt Ctrl 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, B27073, 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 PFC-C to the Flt Ctrl 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, 27083, 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 PFC-C to the Flt Ctrl 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.
- (5) Replace the ARINC 629 coupler, 27093, in the P312 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 PFC-C to the Flt Ctrl 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.
- (6) 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.

- (a) 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. SAARU to Flt Ctrl 629 Bus-R Communication Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-39301.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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, B34203, 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 SAARU to the Flt Ctrl 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) Do this check of the wiring:
 - (a) Remove the SAARU, M34002. To remove it, do this task: Secondary Attitude Air Data Reference Unit Removal, AMM TASK 34-21-02-000-801.
 - (b) Disconnect connector DB34203 from the Flt Ctrl 629 Bus-R coupler, B34203.
 - (c) Do a wiring check between these pins of connector DM34002AA at the E2-7 shelf and connector DB34203 at the P212 panel (WDM 34-21-21):

DM34002AA	DB34203
pin 8T	pin 2
pin 8TR	pin 1
pin 5T	pin 5
pin 5TR	pin 4

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- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Install the SAARU, M34002. To install it, do this task: Secondary Attitude Air Data Reference Unit Installation, AMM TASK 34-21-02-400-801.
 - 3) Re-connect DB34203.
 - 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) 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.
- (a) 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. SAARU No Input From ADM-R Pitot on Flt Ctrl 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-39305.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 pitot air data module (ADM-R), 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.

 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34203, 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 SAARU to the Flt Ctrl 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 ARINC 629 coupler, B34202, 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 pitot ADM-R to the Flt Ctrl 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 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.

- (a) 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. SAARU No Input From ADM-R Static on Flt Ctrl 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-39308.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 static air data module (ADM-R), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34203, 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 SAARU to the Flt Ctrl 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 ARINC 629 coupler, B34201, in the P212 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 static ADM-R to the Flt Ctrl 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 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.

- (a) 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. SAARU No Input From AIMS-R on Flt Ctrl 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-39312.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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(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) 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 ARINC 629 coupler, B34203, in the P212 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 SAARU to the Flt Ctrl 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, 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) module to the Flt Ctrl 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) 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) module to the Flt Ctrl 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.
- (6) 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.

- (a) 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. SAARU No Input from PFC-R on Flt Ctrl 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-39317.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 primary flight computer (PFC-R), M27206.

These are the tasks:

Primary Flight Computer (PFC) Removal, AMM TASK 27-02-01-000-801,

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Primary Flight Computer (PFC) Installation, AMM TASK 27-02-01-400-802.

- (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.
- (2) Replace the ARINC 629 coupler, B34203, 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 SAARU to the Flt Ctrl 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 ARINC 629 coupler, B27042 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 PFC-R to the Flt Ctrl 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, B27052, 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 PFC-R to the Flt Ctrl 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) Replace the ARINC 629 coupler, 27062, 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 PFC-R to the Flt Ctrl 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.
- (6) 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.

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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 —

884. SAARU No Input from ADIRU on Flt Ctrl 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-39318.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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, B34203, 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 SAARU to the Flt Ctrl 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, B34205 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 ADIRU to the Flt Ctrl 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 ARINC 629 coupler, B34206, 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 ADIRU to the Flt Ctrl 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 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.

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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 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.

- (a) 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. AOA Sensor Right Signal Disagree With Signals From AOA Sensor Left Signals - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-25603.

B. Fault Isolation Procedure

- (1) Replace the right Angle of Attack (AOA) sensor, M34203.

These are the tasks:

Angle of Attack Sensor Removal, AMM TASK 34-21-04-000-801,

Angle of Attack Sensor Installation, AMM TASK 34-21-04-400-801.

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

————— END OF TASK —————

886. TAT Probe Output to AIMS-L Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-33800.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 total air temperature (TAT) probe, M34003.

These are the tasks:

Total Air Temperature Probe - Removal, AMM TASK 34-21-05-000-801,

Total Air Temperature Probe - Installation, AMM TASK 34-21-05-400-801.

- (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 IOM(M003) module from 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 ACTIVE for the maintenance message, then continue.
- (3) 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) Disconnect connector DM34003 from the TAT probe.
 - (c) Do a wiring check between these pins of connector DM34003 at the TAT probe and the IOM connector J240-B at the left AIMS cabinet (WDM 34-21-43):

DM34003	J240-B
pin 3	pin D18
pin 4	pin D19

- (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.
 - 3) Re-connect connector DM34003 on the TAT probe.
 - 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. AOA Sensor Right No Output to IOM(M009) - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-34603.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 Angle of Attack (AOA) Sensor, M34203.

These are the tasks:

Angle of Attack Sensor Removal, AMM TASK 34-21-04-000-801,

Angle of Attack Sensor Installation, AMM TASK 34-21-04-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 from 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.
- (3) Do this check of the wiring:
 - (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 DM34203A from the right AOA.
 - (c) Do a wiring check between these pins of connector DM34203A at the right AOA and the IOM connector J420-B at the right AIMS cabinet (WDM 34-21-42):

DM34203A	J420-B
pin 1	pin D9
pin 2	pin E10
pin 3	pin C10
pin 4	pin C11
pin 5	pin D10
- (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-connect connector DM34203A on the right AOA.
 - 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. AOA Sensor Right No Output to IOM(M004) - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-35603.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 Angle of Attack (AOA) Sensor, M34203.

These are the tasks:

Angle of Attack Sensor Removal, AMM TASK 34-21-04-000-801,

Angle of Attack Sensor Installation, AMM TASK 34-21-04-400-801.

 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 from 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.
- (3) Do this check of the wiring:
 - (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 DM34203B from the right AOA.
 - (c) Do a wiring check between these pins of connector DM34203B at the right AOA and the IOM connector J250-B at the right AIMS cabinet (WDM 34-21-42):

DM34203B	J250-B
pin 1	pin D9
pin 2	pin E10
pin 3	pin C10
pin 4	pin C11
pin 5	pin D10
- (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-connect connector DM34203B on the right AOA.
 - 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. TAT Probe Output to AIMS-R Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-36800.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 total air temperature (TAT) probe, M34003.

These are the tasks:

Total Air Temperature Probe - Removal, AMM TASK 34-21-05-000-801,
Total Air Temperature Probe - Installation, AMM TASK 34-21-05-400-801.

- (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 IOM(M003) module from 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 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) Disconnect connector DM34003 from the TAT probe.
 - (c) Do a wiring check between these pins of connector DM34003 at the TAT probe and the IOM connector J240-B at the right AIMS cabinet (WDM 34-21-43):

DM34003	J240-B
pin 2	pin D18
pin 5	pin D19
- (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 right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - 3) Re-connect connector DM34003 on the TAT probe.
 - 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. ADIRS Indication Problems - Fault Isolation

A. Fault Isolation Procedure

- (1) Look at the Extended Maintenance, Present Leg Faults display on the MAT.
 - (a) If a maintenance message related to the air data inertial reference system shows in Present Leg 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** —————

893. ADIRU No Input on Flt Ctrl 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-29101.

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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 ARINC 629 coupler, B34105, 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 ADIRU to the Flt Ctrl 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, B34106, 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 ADIRU to the Flt Ctrl 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 ADIRU to the coupler:
 - (a) Push the ADIRU switch on the overhead panel, P5, to OFF.
 - (b) Disconnect connector DB34105 from the coupler, B34105.
 - (c) Disconnect connector DB34106 from the coupler, B34106.
 - (d) Disconnect connector DM34001A from the ADIRU, M34001.
 - (e) Do a wiring check between these pins of connector DM34001A at the E3-3 shelf and connectors DB34105 and DB34106 at the P112 panel (WDM 34-21-11):

DM34001A	DB34105
pin 6	pin 2
pin 5	pin 1
pin 8	pin 5
pin 9	pin 4

DM34001A	DB34106
pin 12	pin 2
pin 11	pin 1
pin 14	pin 5
pin 3	pin 4

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

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- 1) Replace the ARINC 629 wiring (SWPM 20-13-00).
 - 2) Re-connect connectors DM34001A, DB34105, and DB34106.
 - 3) Push the ADIRU switch on the overhead panel, P5, to ON.
 - 4) 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 wiring, then continue.
- (4) Airplanes with ADIRU OPS software P/N 3477-HNC-100-04 or P/N 3476-HNC-100-05;
- (a) Do a reload of the ADIRU OPS software if all of the following conditions are true:
 - 1) NAV ADIRU INERTIAL is displayed on EICAS
 - 2) The box prompt is not displayed on the CDU page POS INIT 1/3, under the SET INERTIAL POS field
 - 3) The first officer's altitude and airspeed tapes are normal when the F/O ATT/AIR DATA switch is selected to the ALTN position.
 - (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 or LATCHED for the maintenance message, then continue.
- (5) 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.
- (a) 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. ADIRU to Flt Ctrl 629 Bus-L Communication Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-29120.

B. 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) Push the ADIRU switch on the overhead panel, P5, to OFF.
 - (b) Wait for 15 seconds.
 - (c) Push the ADIRU switch on the overhead panel, P5, to ON.
 - (d) If the MAT shows ACTIVE or LATCHED for the maintenance message, then do the Fault Isolation Procedure below.
 - (e) 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, B34105, in the P112 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 ADIRU to the Flt Ctrl 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, B34106, 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 ADIRU to the Flt Ctrl 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 ADIRU to the coupler:
- (a) Push the ADIRU switch on the overhead panel, P5, to OFF.
 - (b) Disconnect connector DB34105 from the coupler, B34105.
 - (c) Disconnect connector DB34106 from the coupler, B34106.
 - (d) Disconnect connector DM34001A from the ADIRU, M34001.
 - (e) Do a wiring check between these pins of connector DM34001A at the E3-3 shelf and connectors DB34105 and DB34106 at the P112 panel (WDM 34-21-11):

DM34001A	DB34105
pin 6	pin 2
pin 5	pin 1
pin 8	pin 5
pin 9	pin 4

DM34001A	DB34106
pin 12	pin 2
pin 11	pin 1
pin 14	pin 5
pin 3	pin 4

- (f) 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 connectors DM34001A, DB34105, and DB34106.
 - 3) Push the ADIRU switch on the overhead panel, P5, to ON.
 - 4) 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 wiring, then continue.
- (4) Replace the ADIRU, M34001.

These are the tasks:

Air Data Inertial Reference Unit - Removal, AMM TASK 34-21-01-000-801,

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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** —————

895. ADIRU No Input on Flt Ctrl 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-29301.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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, B34205, 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 ADIRU to the Flt Ctrl 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, B34206, 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 ADIRU to the Flt Ctrl 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 ADIRU to the coupler:
 - (a) Push the ADIRU switch on the overhead panel, P5, to OFF.
 - (b) Disconnect connector DB34205 from the coupler, B34205.
 - (c) Disconnect connector DB34206 from the coupler, B34206.
 - (d) Disconnect connector DM34001C from the ADIRU, M34001.
 - (e) Do a wiring check between these pins of connector DM34001C at the E3-3 shelf and connectors DB34205 and DB34206 at the P212 panel (WDM 34-21-11):

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DM34001C

pin 6		pin 2
pin 5		pin 1
pin 8		pin 5
pin 9		pin 4

DB34205

DM34001C

pin 12		pin 2
pin 11	.....	pin 1
pin 14	.....	pin 5
pin 3	.....	pin 4

DB34206

- (f) 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 connectors DM34001C, DB34205, and DB34206.
 - 3) Push the ADIRU switch on the overhead panel, P5, to ON.
 - 4) 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 wiring, then continue.
- (4) Airplanes with ADIRU OPS software P/N 3477-HNC-100-04 or P/N 3476-HNC-100-05;
- (a) Do a reload of the ADIRU OPS software if all of the following conditions are true:
- 1) NAV ADIRU INERTIAL is displayed on EICAS
 - 2) The box prompt is not displayed on the CDU page POS INIT 1/3, under the SET INERTIAL POS field
 - 3) The first officer's altitude and airspeed tapes are normal when the F/O ATT/AIR DATA switch is selected to the ALTN position.
- (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 or LATCHED for the maintenance message, then continue.
- (5) 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.
- (a) 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. ADIRU to Flt Ctrl 629 Bus-R Communication Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-29320.

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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 these steps:
 - (a) Push the ADIRU switch on the overhead panel, P5, to OFF.
 - (b) Wait for 15 seconds.
 - (c) Push the ADIRU switch on the overhead panel, P5, to ON.
 - (d) If the MAT shows ACTIVE or LATCHED for the maintenance message, then do the Fault Isolation Procedure below.
 - (e) 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, B34205, 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 ADIRU to the Flt Ctrl 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, B34206, 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 ADIRU to the Flt Ctrl 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 ADIRU to the coupler:
 - (a) Push the ADIRU switch on the overhead panel, P5, to OFF.
 - (b) Disconnect connector DB34205 from the coupler, B34205.
 - (c) Disconnect connector DB34206 from the coupler, B34206.
 - (d) Disconnect connector DM34001C from the ADIRU, M34001.
 - (e) Do a wiring check between these pins of connector DM34001C at the E3-3 shelf and connectors DB34205 and DB34206 at the P212 panel (WDM 34-21-11):

DM34001C	DB34205
pin 6	pin 2
pin 5	pin 1
pin 8	pin 5
pin 9	pin 4

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DM34001C

pin 12 pin 2
pin 11 pin 1
pin 14 pin 5
pin 3 pin 4

DB34206

- (f) 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 connectors DM34001C, DB34205, and DB34206.
 - 3) Push the ADIRU switch on the overhead panel, P5, to ON.
 - 4) 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 wiring, then continue.
- (4) 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.
- (a) 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. EICAS Message ADIRU ALIGN MODE - Fault Isolation

A. Initial Evaluation

- (1) This message shows when the ADIRU is in the align mode. Do not move the airplane while this message shows. No corrective action is necessary.

END OF TASK

898. SAARU No Output on Flt Ctrl 629 Bus-C - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-38820.

B. Initial Evaluation

NOTE: The fault that causes this maintenance message can also cause the FLIGHT CONTROL SYS EICAS message to display while on the ground, if the ADIRU is off or not aligned. The Primary Flight Computers (PFCs) will go into degraded mode if they do not receive valid air data or inertial signals, which triggers the FLIGHT CONTROL SYS EICAS message. The PFCs use the SAARU as a backup when ADIRU data is not available. If you make a decision to dispatch the airplane per MEL for the SAARU and the FLIGHT CONTROL SYS EICAS message is displayed due to a SAARU fault, do as follows:

- Align the ADIRU.
- Apply hydraulic pressure to all three hydraulic systems.
- Cycle the PRIMARY FLIGHT COMPUTER DISC switch on the overhead panel to DISC for several seconds, then put the switch back to AUTO position.

The FLIGHT CONTROL SYS message will clear if it was caused by the SAARU fault.
Operate the airplane per MEL procedures.

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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 LATCHED for the maintenance message, then do this ground test on the MAT: 27 Primary Flight Control System, SYSTEM TEST, Transmitter Reset Test.
 - (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 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B34303, 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 SAARU to the Flt Ctrl 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:
 - (a) Remove the SAARU, M34002. To remove it, do this task: Secondary Attitude Air Data Reference Unit Removal, AMM TASK 34-21-02-000-801.
 - (b) Disconnect connector DB34303 from the Flt Ctrl 629 Bus-C coupler, B34303.
 - (c) Do a wiring check between these pins of connector DM34002AA at the E2-7 shelf and connector DB34303 at the P312 panel (WDM 34-21-21):

DM34002AA	DB34303
pin 6T	pin 2
pin 6TR	pin 1
pin 9T	pin 5
pin 9TR	pin 4

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Install the SAARU, M34002. To install it, do this task: Secondary Attitude Air Data Reference Unit Installation, AMM TASK 34-21-02-400-801.
 - 3) Re-connect DB34303.

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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 —————

899. EICAS Message AIRSPEED LOW - Fault Isolation

A. Initial Evaluation

- (1) This message shows when the airspeed is less than 70% of the minimum maneuver margin. No maintenance action is necessary.

————— END OF TASK —————

900. ADIRU Does Not Align After 6-15 Minutes - Fault Isolation

A. Initial Evaluation

- (1) If the ADIRU status message shows on the EICAS status page, then do the Fault Isolation Procedure to clear the ADIRU status message.
- (2) If there is no ADIRU status message on the EICAS status page or maintenance message 34-20060 is correlated to the ADIRU status message and the MAT shows NOT ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

NOTE: Maintenance message 34-20060 may be considered a nuisance message unless the ADIRU has been recently replaced.

B. Fault Isolation Procedure

- (1) Put in the present position at the LSK 5R on the CDU.
- (2) If the ADIRU does not complete its alignment after you put in the present position, then do these steps:
 - (a) Push the ADIRU ON/OFF switch on the P5 panel to the OFF position.
 - (b) Wait for 30 seconds or more and then push the ADIRU switch on the P5 panel to the ON position.
 - (c) Put in the present position at LSK 5R on the CDU.
 - (d) Make sure the ADIRU status message does not show on the EICAS status page.
 - (e) Wait for 6-15 minutes for the ADIRU to complete the alignment.

NOTE: If the ADIRU does not align after 6-15 minutes, you can do this procedure again. You should not have to do this procedure more than two times.

————— END OF TASK —————

901. SET INERTIAL POS Message Shows On CDU - Fault Isolation

A. Initial Evaluation

- (1) This message shows when the ADIRU is in the alignment mode and you forget to enter the present position. To clear the message, you need to put in the present position from the CDU. No maintenance action is necessary.

————— END OF TASK —————

902. SAARU Internal Gyro-Restart Counter Degradation - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-30720.

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B. Initial Evaluation

- (1) Look at the Maintenance Memo Fault History on the MAT. To get access to the Maintenance Memo page, do these steps.
 - (a) Select Onboard Maintenance.
 - (b) Select Extended Maintenance.
 - (c) Select Maintenance Planning.
 - (d) Select Maintenance Memo.
- (2) If the Existing Maintenance Memos or the Inbound Maintenance Memos on the MAT shows ACTIVE for maintenance memo SAARU GYRO LIFE, no immediate maintenance action is necessary, however please read the note below regarding SAARU GYRO LIFE.

NOTE: The SAARU GYRO LIFE maintenance memo shows you that at least one of the SAARU internal gyros is near the end of expected operational life. Since at least one of the SAARU internal gyros is near the end of expected operational life, you can replace the SAARU to prevent a possible future flight dispatch problem.
- (3) If the Existing Maintenance Memos or the Inbound Maintenance Memos on the MAT shows ACTIVE for maintenance memo SAARU RESTART COUNT, no immediate maintenance action is necessary, however please read the note below regarding SAARU RESTART COUNT.

NOTE: The SAARU RESTART COUNT maintenance memo shows you that the SAARU software has automatically started again three or more times in one flight, or at one time had a total start again count of seven or more. Upon a start again count of four during one flight, or a restart count of 10 total, the SAARU will fail, which results in a non-dispatch condition. To prevent a possible future flight dispatch problem, you can replace the SAARU.

C. Fault Isolation Procedure

- (1) 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 test in the installation task for the secondary attitude air data reference unit is satisfactory, and the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

903. Overspeed VFE Problem - 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) If the overspeed was with landing gear down, do this task: Landing Gear Operation Above Design Speed Condition, Conditional Inspection, AMM TASK 05-51-07-210-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message, you corrected the fault.

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- (2) If the overspeed was with flaps and slats down, do this task: Phase I Inspection, AMM TASK 05-51-08-210-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message, you corrected the fault.

————— END OF TASK —————

904. Overspeed VMO MMO Problem - 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) If the overspeed was with landing gear down, do this task: Landing Gear Operation Above Design Speed Condition, Conditional Inspection, AMM TASK 05-51-07-210-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message, you corrected the fault.
- (2) If the overspeed was with flaps and slats down, do this task: Phase I Inspection, AMM TASK 05-51-08-210-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message, you corrected the fault.

————— END OF TASK —————

905. Inertial Reference and Air Data Problems - Fault Isolation

A. Initial Evaluation

NOTE: This message shows that inertial reference data from the ADIRU and the SAARU is not available.

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

B. Fault Isolation Procedure

- (1) Replace the ADIRU, M34001, and continue.

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.

- (2) 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.

- (a) 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. Mach Bias Correction Factor - Fault Isolation

A. Description

- (1) This Task is for MACH BIAS indication on INERTIAL MONITOR page of the CDU does not show expected value.

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B. Initial Evaluation

- (1) If the INERTIAL MONITOR page of the CDU does not show expected value, then do the Fault Isolation Procedure below.

C. Fault Isolation Procedure

- (1) Re-Enter the Mach Bias Correction Factor.

Do this task:

Mach Bias Modification Procedure, AMM TASK 34-21-00-820-803

- (2) If the Mach Bias Correction Factor show the expected value, you corrected the fault.

- (3) If the Mach Bias Correction Factor does not show the expected value, then continue.

- (4) Do these Tasks:

FMCF (FMCF/Nav) in AIMS Has An Internal Fault (CPM/Comm) - Fault Isolation,
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FMCF (FMCF/Nav) in AIMS Has An Internal Software Fault - Fault Isolation, 34-61 TASK 813

D. Repair Confirmation

- (1) Re-Enter the Mach Bias Correction Factor.

Do this task:

Mach Bias Modification Procedure, AMM TASK 34-21-00-820-803Mach Bias Modification
Procedure, AMM TASK 34-21-00-820-803

- (2) Make sure the correct Mach Bias Correction Factor show.

————— **END OF TASK** —————

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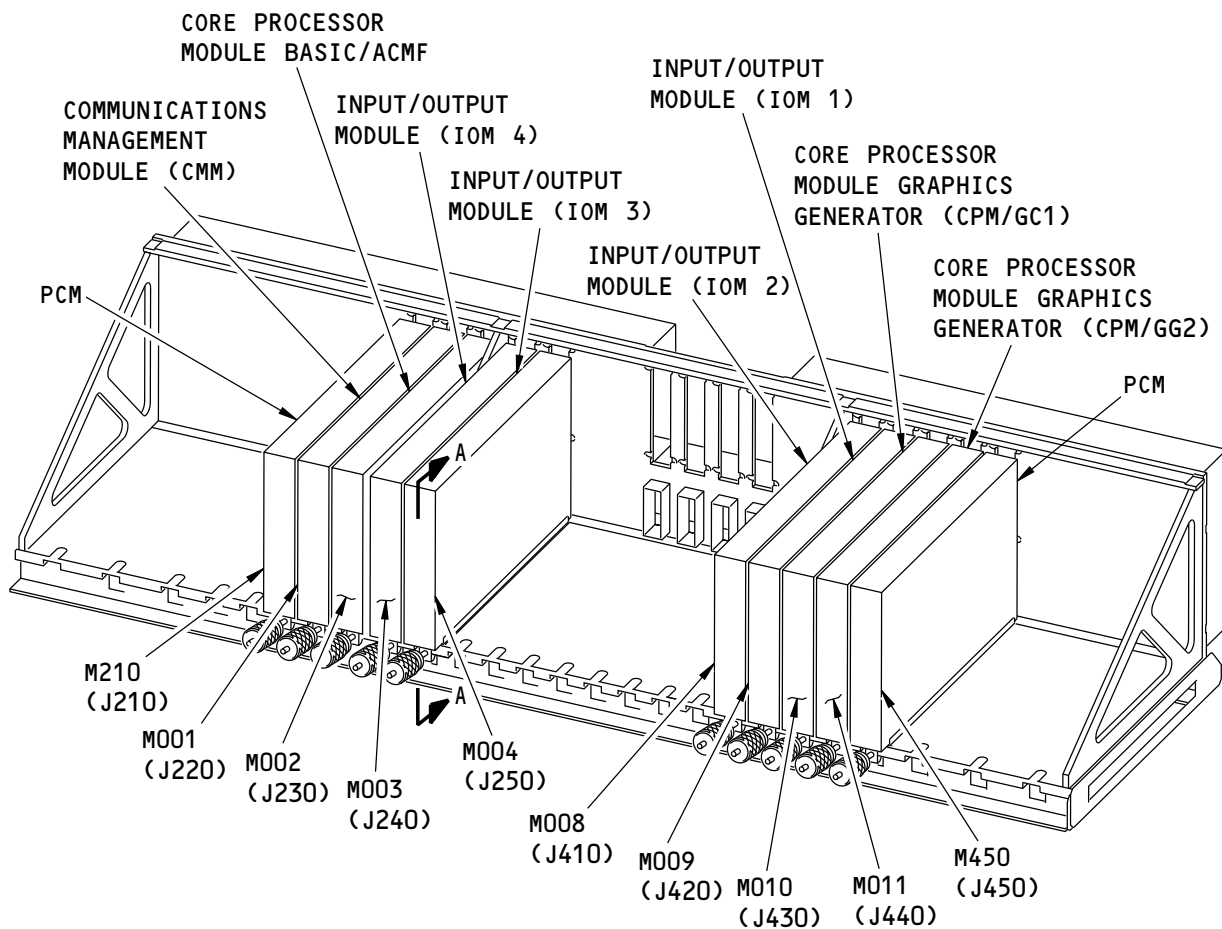
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ELECTRONIC EQUIPMENT RACK

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Airplane Information Management System (AIMS) Overview
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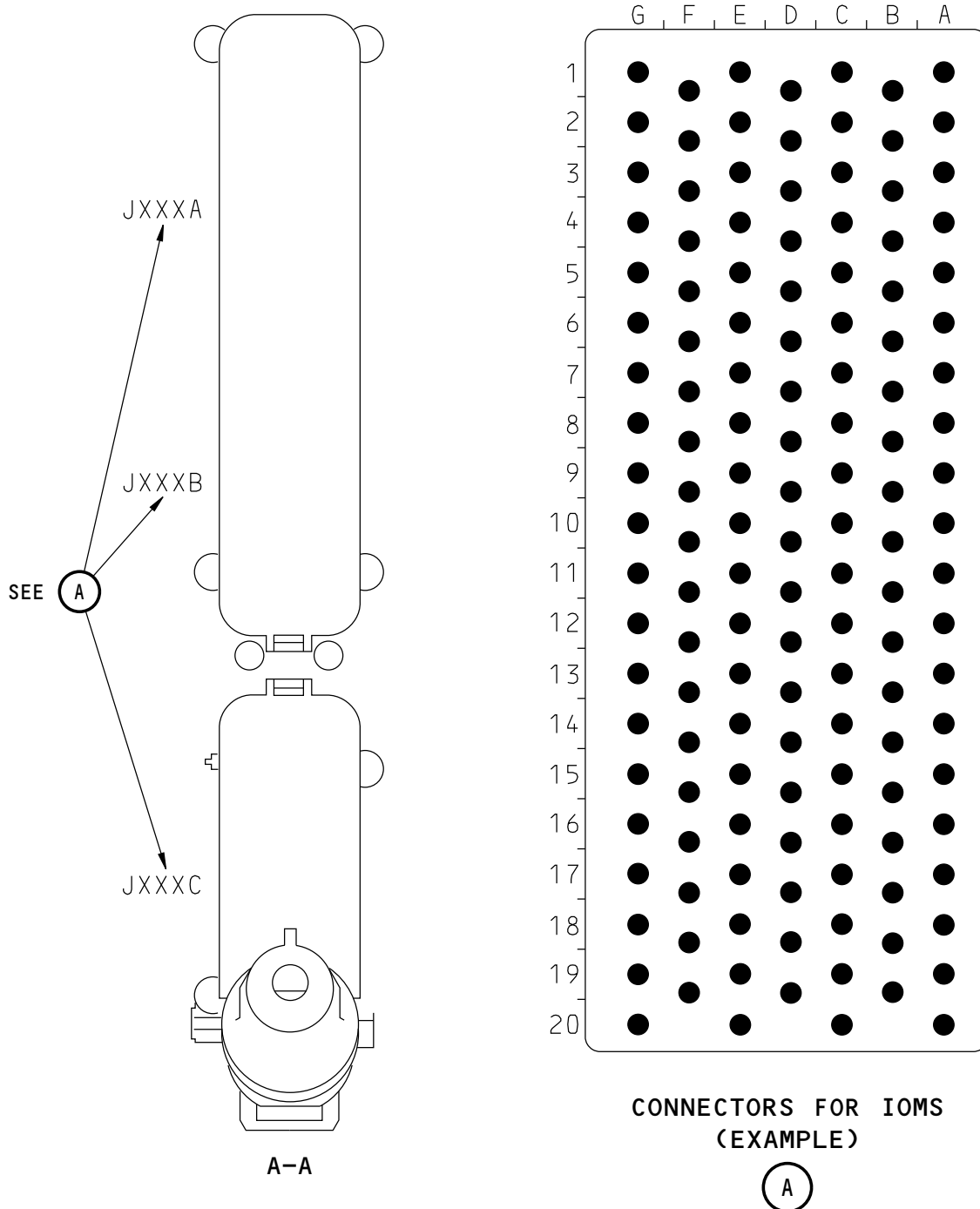
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NOTE: XXX = CONNECTOR NUMBER

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801. Standby Compass Heading Disagreement Problem - Fault Isolation

A. Initial Evaluation

- (1) Make sure the air data inertial reference system is aligned and in the NAV mode.

NOTE: The deviation for the standby magnetic compass must not be more than ± 8 degrees for the FAA certification. For CAA certification, the deviation must not be more than ± 5 degrees.

B. Fault Isolation Procedure

- (1) Do this task: Standby Magnetic Compass Calibrator Procedure, AMM TASK 34-23-00-820-802.
- (2) Replace the standby compass, N33001.

These are the tasks:

Standby Magnetic Compass Removal, AMM TASK 34-23-01-020-801,

Standby Magnetic Compass Installation, AMM TASK 34-23-01-420-801.

————— **END OF TASK** —————

802. Standby Compass Light Problem - Fault Isolation

A. Fault Isolation Procedure

- (1) Do a check for 5 VAC between terminals PA5 and PB5 of TB2003 (WDM 33-13-12).

NOTE: Make sure the glareshield instrument and panel lights dimmer is at maximum voltage.

- (a) If there is not 5 VAC between terminals PA5 and PB5 of TB2003, then do these steps:

- 1) Replace the glareshield instrument and panel lights dimmer, T33009. To replace it, do this task: Relay/Dimmer Control Unit (DCU) - Replacement of a Component in the Aisle Stand, AMM TASK 33-13-02-960-802.
- 2) If the light comes on, you corrected the fault.

- (b) If there is 5 VAC between terminals PA5 and PB5 of TB2003, then do these steps:

- 1) Disconnect connector DN33001 from the standby compass.
- 2) Do a wiring check between these pins of connector DN33001 on the standby compass and terminal block TB2003 (WDM 33-13-12):

DN33001		TB2003
pin A1	.....	PA5
pin C1	.....	PB5

- 3) If you find a problem with the wiring, do these steps:

- a) Repair the wiring.
- b) Re-connect connector DN33001.

- 4) If the light comes on, you corrected the fault.

- 5) If the light does not come on, continue.

- (2) Replace the standby compass, N33001.

These are the tasks:

Standby Magnetic Compass Removal, AMM TASK 34-23-01-020-801,

Standby Magnetic Compass Installation, AMM TASK 34-23-01-420-801.

————— **END OF TASK** —————

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804. Standby Attitude Display or ISFD No Output on CMC 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-18891.

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 ISFD, N34004.

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.
- (2) Do this check of the wiring:
 - (a) Remove the ISFD, N34004. To remove it, do this task: Integrated Standby Flight Display Removal, AMM TASK 34-24-02-000-801.
 - (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 J410-B at the left AIMS cabinet and connector DN34004 at the P2-1 panel (WDM 34-24-15):

J410-B

pin A3 pin N
pin B3 pin M

DN34004

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the ISFD, N34004. To install it, do this task: Integrated Standby Flight Display Installation, AMM TASK 34-24-02-400-801.
 - 3) Re-install the IOM(M008) module in the left AIMS cabinet. To install it, (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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806. ISFD Program Pins Incorrect - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-10080.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 of the wiring:
 - (a) Remove the integrated standby flight display (ISFD), N34004. To remove it, do this task: Integrated Standby Flight Display Removal, AMM TASK 34-24-02-000-801.
 - (b) Do a wiring check of connector DN34004 at the P2 panel (WDM 34-24-15) to determine which pin or pins are incorrect.
NOTE: Connector DN34004 is the connector for the ISFD.
 - (c) Repair the problems that you find.
 - (d) Re-install the integrated standby flight display, N34004. 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 —————

807. IRS Heading Input (AIMS-L) is Out of Range or Invalid - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-10081.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 input/output module, M008, in left AIMS cabinet, M31101. To replace it, These are the tasks:
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) Replace the integrated standby flight display, N34004.
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.

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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 —————

808. ISFD Has No Input From L-AIMS on AIMS High Speed IRS Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-10082.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, or the HDG flag is displayed on the ISFD, then do the Fault Isolation Procedure below.

NOTE: Make sure that the ADIRU is aligned prior performing the Fault Isolation Procedure.

NOTE: If the message occurs during the polar routes, ignore this message.

- (2) If the MAT shows NOT ACTIVE for the maintenance message and the HDG flag is not displayed on the ISFD, then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Make sure the ADIRU is aligned, Air Data Inertial Reference Unit - Alignment, AMM TASK 34-21-00-820-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message, or if the message does not show and the HDG flag is not displayed on the ISFD, you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, or the HDG flag is displayed on the ISFD, then continue.
- (2) Replace the input/output module 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 maintenance message does not show and the HDG flag is not displayed on the ISFD), you corrected the fault.
- (3) Do this check of the wiring:
- (a) Remove the IOM (M008) from the left AIMS cabinet, M31101. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801
- (b) Remove the integrated standby flight display, N34004. To remove it, do this task: Integrated Standby Flight Display Removal, AMM TASK 34-24-02-000-801
- (c) Do a wiring check between these pins of connector J410-A of the AIMS cabinet, M31101, and connector DN34004 of the integrated standby flight display, N34004 (WDM 31-41-31) (SSM 31-41-03):
- | J410-A | DN34004 |
|-------------------|---------|
| pin F13 | pin T |
| pin G14 | pin S |
- (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 (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 integrated standby flight display. To install it, do this task: Integrated Standby Flight Display Installation, AMM TASK 34-24-02-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show and the HDG flag is not displayed on the ISFD), you corrected the fault.
 - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the integrated standby flight display, N34004.
- 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 and the HDG flag is not displayed on the ISFD, you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, or the HDG flag is displayed on the ISFD, then continue.

————— **END OF TASK** —————

809. ISFD Has Faulted Input From Standby Static ADM on SADM Data Input 1 - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-10083.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 standby static air data module, M34403. To replace it,
These are the tasks:
Static Standby Air Data Module Removal, AMM TASK 34-13-03-000-802,
Static Standby Air Data Module Installation, AMM TASK 34-13-03-400-801.
 - (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 show ACTIVE for the maintenance message, then continue.
- (2) Replace the integrated standby flight display, N34004. To replace it,
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.
- (3) Replace the air data module power supply, M34405. To replace it,

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These are the tasks:

Air Data Module Power Supply Removal, AMM TASK 34-24-03-020-801,

Air Data Module Power Supply Installation, AMM TASK 34-24-03-420-801.

- (a) If MAT shows NOT ACTIVE for the maintenance message (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 standby air data module, static, M34403. To remove it, do this task: Static Standby Air Data Module Removal, AMM TASK 34-13-03-000-802.
 - (b) Remove the integrated standby flight display, N34004. To remove it, do this task: Integrated Standby Flight Display Removal, AMM TASK 34-24-02-000-801
 - (c) Do a wiring check between these pins of connector DM34403 of the standby air data module, static, M34403, and connector DN34004 of the integrated standby flight display, N34004 (WDM 34-24-15):

DM34403	DN34004
pin 7	pin B
pin 8	pin C
- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the standby air data module, static. To install it, do this task: Static Standby Air Data Module Installation, AMM TASK 34-13-03-400-801.
 - 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.
 - 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** —————

810. Pitot Standby Air Data Module Internal Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-10084.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 standby air data module, pitot, M34404. To replace it,

These are the tasks:

Pitot Standby Air Data Module Removal, AMM TASK 34-13-03-000-801,

Pitot Standby Air Data Module Installation, AMM TASK 34-13-03-400-802.

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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 —

811. ISFD No Input From Standby Pitot ADM on SADM Data Input 1 - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-10085.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, or the SPD flag is displayed on the ISFD, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message and the ISFD does not display the SPD flag, then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Replace the standby pitot air data module, M34404. To replace it,
These are the tasks:
Pitot Standby Air Data Module Removal, AMM TASK 34-13-03-000-801,
Pitot Standby Air Data Module Installation, AMM TASK 34-13-03-400-802.
- (a) If MAT shows NOT ACTIVE for the maintenance message (or if the message does not show and the SPD flag is not displayed on the ISFD), you corrected the fault.
- (b) If the message shows ACTIVE on the MAT, or the ISFD displays the SPD flag, then continue.
- (2) Replace the integrated standby flight display, N34004. To replace it,
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 and the SPD flag is not displayed on the ISFD), you corrected the fault.
- (b) If the message shows ACTIVE on the MAT, or the SPD flag is displayed on the ISFD, then continue.
- (3) Replace the air data module power supply, M34405.
These are the tasks:
Air Data Module Power Supply Removal, AMM TASK 34-24-03-020-801,
Air Data Module Power Supply Installation, AMM TASK 34-24-03-420-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message, or if the message does not show and the SPD flag is not displayed on the ISFD, you corrected the fault.
- (b) If the message shows ACTIVE on the MAT, or the SPD flag is displayed on the ISFD, then continue.
- (4) Do this check of the wiring:
- (a) Remove the standby air data module, pitot, M34404. To remove it, do this task: Pitot Standby Air Data Module Removal, AMM TASK 34-13-03-000-801.
- (b) Remove the integrated standby flight display, N34004. To remove it, do this task: Integrated Standby Flight Display Removal, AMM TASK 34-24-02-000-801

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- (c) Do a wiring check between these pins of connector DM34404 of the standby air data module, pitot, M34404, and connector D5553P of the integrated standby flight display, N34004 (WDM 34-24-15):

DM34404	D5553P
pin 7	pin 13
pin 8	pin 14

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the standby air data module, pitot. To install it, do this task: Pitot Standby Air Data Module Installation, AMM TASK 34-13-03-400-802.
 - 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.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message, or if the message does not show and the SPD flag is not displayed on the ISFD, you corrected the fault.

————— END OF TASK —————

813. Integrated Standby Flight Display Internal Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-10086.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, or the ATT flag shows on the ISFD, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message and the ATT flag is not displayed on the ISFD, then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Replace the integrated standby flight display, N34004. To replace it, 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 and the ATT flag is not displayed on the ISFD, you corrected the fault.

————— END OF TASK —————

815. Static Standby Air Data Module Internal Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-10087.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, 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 static standby air data module, M34403. To replace it, These are the tasks:
Static Standby Air Data Module Removal, AMM TASK 34-13-03-000-802,
Static Standby Air Data Module Installation, AMM TASK 34-13-03-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

817. ISFD Has Faulted Input From MMR C on MMR Data Input #1 - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-10088.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message or the LOC or G/S flag is displayed on the ISFD, then do the Fault Isolation Procedure below.
- (2) If the MAT shows NOT ACTIVE for the maintenance message and the LOC or G/S flag is not displayed on the ISFD, then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Replace the multi-mode receiver, center, M34610. To replace it, 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 and the LOC or G/S flag is not displayed on the ISFD, you corrected the fault.
 - (b) If the message shows ACTIVE on the MAT, or the LOC or G/S flag is displayed on the ISFD, then continue.
- (2) Replace the integrated standby flight display, N34004. 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 and the LOC or G/S flag does not show on the ISFD, you corrected the fault.
 - (b) If the message shows ACTIVE on the MAT, or the LOC or G/S flag shows on the ISFD, then continue.
- (3) Do this check of the wiring:
 - (a) Remove the multi-mode receiver, center, M34610. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (b) Remove the integrated standby flight display, N34004. To remove it, do this task: Integrated Standby Flight Display Removal, AMM TASK 34-24-02-000-801
 - (c) Do a wiring check between these pins of connector DM34610AB of the multi-mode receiver, center, M34610, and connector DN34004 of the integrated standby flight display, N34004 (WDM 34-31-31) (WDM 34-24-15):

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DM34610AB

pin G1 pin A
pin H1 pin W

DN34004

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the multi-mode receiver, center, M34610. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
 - 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.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message, or if the message does not show and the LOC or G/S flag is not displayed on the ISFD, you corrected the fault.

————— END OF TASK —————

818. ISFD Has No Output 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

- (1) Replace the integrated standby flight display, N34004.

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.

————— END OF TASK —————

819. Integrated Standby Flight Display Blank - Fault Isolation

A. Initial Evaluation

- (1) If the display is blank on the integrated standby flight display (ISFD), then do the Fault Isolation Procedure below.

B. Fault Isolation Procedure

- (1) Replace the integrated standby flight display, N34004. To replace it,

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 integrated standby flight display is not blank after power up, you corrected the fault.
 - (b) If the integrated standby flight display is blank, then continue.
- (2) Do this check of the wiring:

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- (a) Remove connector D5659P, circuit breaker C34004 Integrated SFD (B10), circuit breaker panel P11.
- (b) Remove the integrated standby flight display, N34004. To remove it, do this task: Integrated Standby Flight Display Removal, AMM TASK 34-24-02-000-801
- (c) Do a wiring check between these pins of connector D5659P of the circuit breaker C34004, and connector DN34004 of the integrated standby flight display, N34004 (WDM 34-24-15):

D5659P	DN34004
pin 3	pin D
pin 4	pin E

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install connector D5659P, circuit breaker C34004 Integrated SFD (B10), circuit breaker panel P11.
 - 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.
 - 4) If the integrated standby flight display is not blank, you corrected the fault.

————— **END OF TASK** —————

821. WAIT ATT Flag on ISFD - Fault Isolation

A. Initial Evaluation

- (1) The WAIT ATT message shows during the ISFD initialization on power-up and does not require maintenance action. The WAIT ATT message will disappear when the attitude function is enabled.

————— **END OF TASK** —————

822. ISFD Out of Order - Fault Isolation

A. Initial Evaluation

- (1) If the Out of Order message is displayed on the integrated standby flight display (ISFD), then do the Fault Isolation Procedure below.

B. Fault Isolation Procedure

- (1) Replace the integrated standby flight display (ISFD), N34004. To replace it, do these 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

————— **END OF TASK** —————

823. ISFD displays erroneous Airspeed and/or Altitude

A. Initial Evaluation

- (1) The airspeed and/or the altitude displayed on the ISFD is not in agreement with the other airspeed or altitude indicated values.

B. Fault Isolation Procedure

- (1) Replace the integrated standby flight display, N34004. To replace it, do these tasks:
Integrated Standby Flight Display Removal, AMM TASK 34-24-02-000-801.

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Integrated Standby Flight Display Installation, AMM TASK 34-24-02-400-801.

- (a) If the displayed airspeed and altitude indicated on the ISFD is no longer erroneous, you corrected the fault.
 - (b) If the displayed airspeed and altitude indicated on the ISFD is still erroneous, then continue.
- (2) Replace the Standby Static ADM and/or Standby Pitot ADM.
- Pitot Standby Air Data Module Removal, AMM TASK 34-13-03-000-801
- Static Standby Air Data Module Removal, AMM TASK 34-13-03-000-802
- Pitot Standby Air Data Module Installation, AMM TASK 34-13-03-400-802
- Static Standby Air Data Module Installation, AMM TASK 34-13-03-400-801
- (a) If the displayed airspeed and altitude indicated on the ISFD is no longer erroneous, you corrected the fault.
 - (b) If the displayed airspeed and altitude indicated on the ISFD is still erroneous, then continue.
- (3) Do this check of the wiring:
- (a) Remove connector D5659P circuit breaker C34004 Integrated SFD (B10), circuit breaker panel P11.
 - (b) Remove connector DM34405 from the ADM Power Supply.
 - (c) Do a wiring check between these pins of connector D5659P and connector DM34405 (WDM 34-24-15).

D5659P	DM34405
Pin 6	Pin 4

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install connector D5659P, circuit breaker C34004 Integrated SFD (B10), circuit breaker panel P11.
 - 3) Re-install the connector DM34405 to the ADM Power Supply.
 - 4) If the displayed airspeed and altitude indicated on the ISFD is no longer erroneous, you corrected the fault
 - 5) If the displayed airspeed and altitude indicated on the ISFD is still erroneous, then continue
- (4) Do this check of the wiring:
- (a) Remove connector DM34403 from the Standby Static ADM.
 - (b) Remove connector DM34405 from the ADM Power Supply.
 - (c) Do a wiring check between these pins of connector DM34403 and connector DM34405 (WDM 34-24-15)

DM34403	DM34405
Pin 1	Pin 7
Pin 3	Pin 2
Pin 5	Pin 8

- (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 connector DM34403 to the Standby Static ADM.
 - 3) Re-install the connector DM34405 to the ADM Power Supply.
 - 4) If the displayed airspeed and altitude indicated on the ISFD is no longer erroneous, you corrected the fault
 - 5) If the displayed airspeed and altitude indicated on the ISFD is still erroneous, then continue
- (5) Do this check of the wiring:
- (a) Remove connector DM34404 from the Standby Pitot ADM.
 - (b) Remove connector DM34405 from the ADM Power Supply.
 - (c) Do a wiring check between these pins of connector DM34404 and connector DM34405 (WDM 34-24-15)

DM34404	DM34405
Pin 1	Pin 11
Pin 3	Pin 3
Pin 5	Pin 10

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the connector DM34404 to the Standby Pitot ADM.
 - 3) Re-install the connector DM34405 to the ADM Power Supply.
 - 4) If the displayed airspeed and altitude indicated on the ISFD is no longer erroneous, you corrected the fault
 - 5) If the displayed airspeed and altitude indicated on the ISFD is still erroneous, then continue
- (6) Do this check of the wiring:
- (a) Remove connector DM34404 from the Standby Pitot ADM.
 - (b) Remove connector DN34004 from the ISFD.
 - (c) Do a wiring check between these pins of connector DM34404 and connector DN34004 (WDM 34-24-15)

DM34404	DN34004
Pin 7	Pin V
Pin 8	Pin U

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the connector DM34404 to the Standby Pitot ADM.
 - 3) Re-install the connector DM34404 to the ISFD.
 - 4) If the displayed airspeed and altitude indicated on the ISFD is no longer erroneous, you corrected the fault
 - 5) If the displayed airspeed and altitude indicated on the ISFD is still erroneous, then continue

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- (7) Do this check of the wiring:
- Remove connector DM34403 from the Standby Static ADM
 - Remove connector DN34004 from the ISFD.
 - Do a wiring check between these pins of connector DM34403 and connector DN34004 (WDM 34-24-15)
- | DM34403 | DN34004 |
|-------------|---------|
| Pin 7 | Pin B |
| Pin 8 | Pin C |
- (d) If you find a problem with the wiring, then do these steps:
- Repair the wiring.
 - Re-install the connector DM34403 to the Standby Static ADM.
 - Re-install the connector DM34404 to the ISFD.
 - If the displayed airspeed and altitude indicated on the ISFD is no longer erroneous, you corrected the fault
 - If the displayed airspeed and altitude indicated on the ISFD is still erroneous, then continue.
- (8) Inspect the Pitot-Static lines connected to the Standby ADMs for proper connection (FS 34-24-15).
- If you find a problem with a connections, then do this step
 - Repair the connection.
 - If the displayed airspeed and altitude indicated on the ISFD is no longer erroneous, you corrected the fault.
 - If the displayed airspeed and altitude indicated on the ISFD is still erroneous, then continue
- (9) Flush the Pitot-Static lines connected to the Standby ADMs. (FS 34-24-15) , AMM Task 34-11-00-170-802.

————— **END OF TASK** —————

824. IFSD Heading is Intermittently Blank - Fault Isolation

A. Initial Evaluation

The Heading Flag does not show and is intermittently blank on the Integrated Standby Flight Display (ISFD) with no corresponding maintenance message (34-10082).

B. Fault Isolation Procedure

- Do a check of the part number on the ISFD:
 - If the ISFD P/N is C16221QA01 or C16786FA02, and the flight was not a Polar Route, do this task: The Integrated Standby Flight Display - Operational Test, AMM TASK 34-24-02-710-801.
 - If the ISFD passes the operational test, you corrected the problem.
 - If the ISFD fails the operational test, then replace the ISFD, N34004. 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

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- (b) If the ISFD P/N is C16221QA01 or C16786FA02, and the flight was a Polar Route, do these steps:
- 1) If the ISFD P/N C16221QA01 is installed, it is normal for the Heading to be blank.
 - 2) If the ISFD P/N C16786FA02 is installed, the True flag should show. If not, do the Integrated Standby Flight Display - Operational Test, AMM TASK 34-24-02-710-801.
 - a) If the ISFD passes the operational test and the HDG flag does not show, you corrected the problem.
 - b) If the ISFD fails the operational test, then replace the ISFD, N34004. 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

———— **END OF TASK** ————

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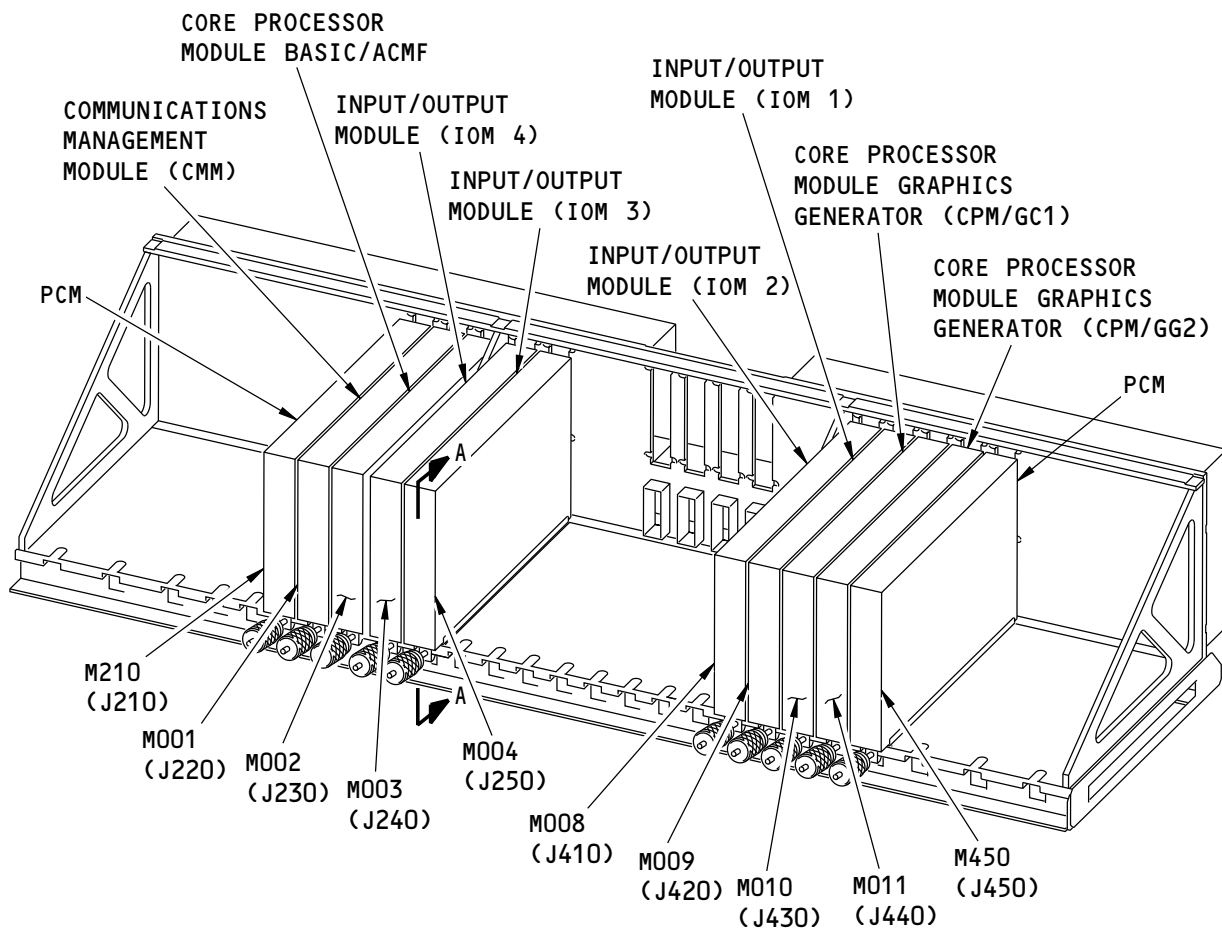
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ELECTRONIC EQUIPMENT RACK

2178748 S0000480931_V1

Airplane Information Management System (AIMS) Overview
Figure 301/34-24-00-990-801 (Sheet 1 of 2)

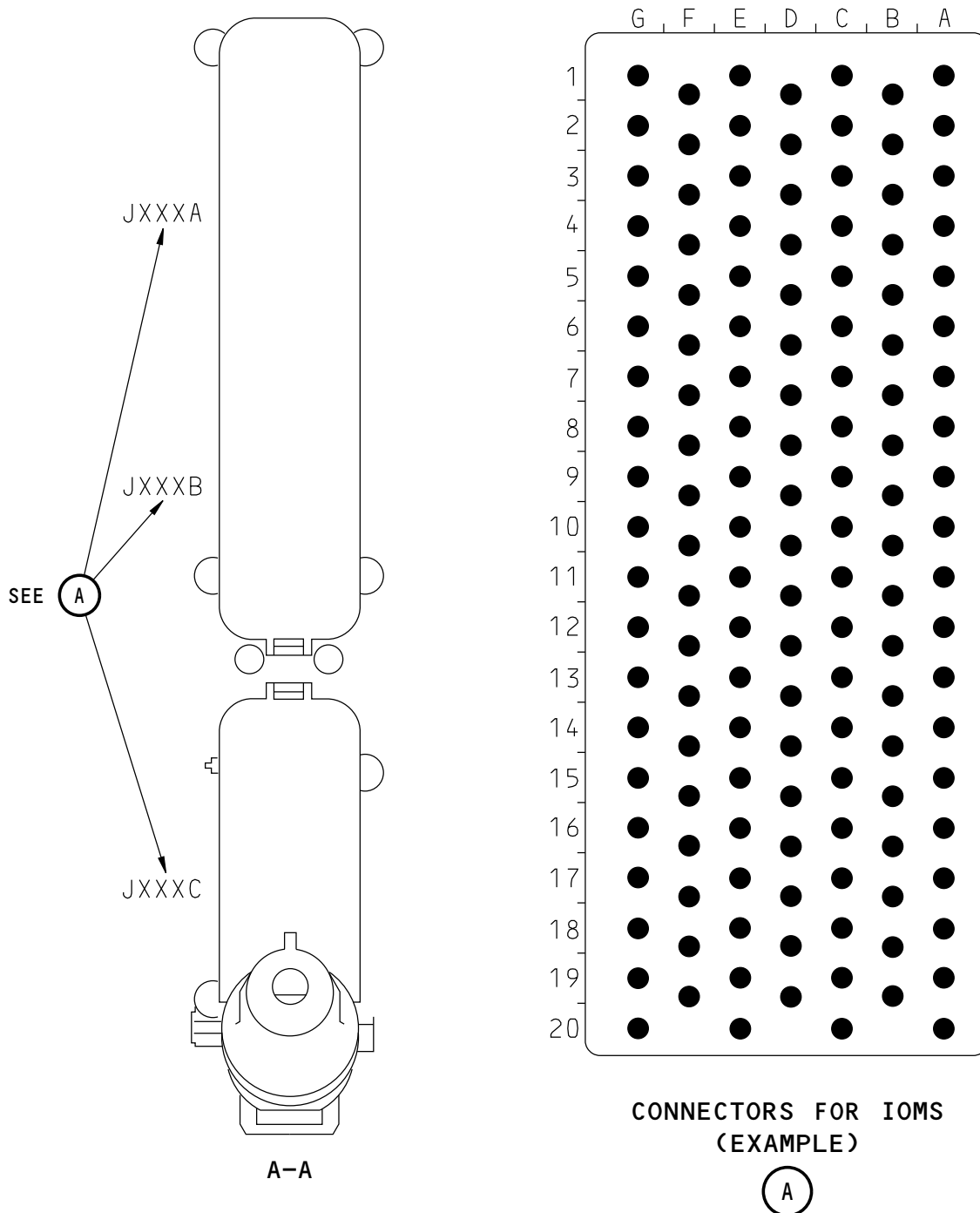
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NOTE: XXX = CONNECTOR NUMBER

2179065 S0000481152_V1

Airplane Information Management System (AIMS) Overview
Figure 301/34-24-00-990-801 (Sheet 2 of 2)

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806. ILS Glideslope Antenna Switch Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 22-13501, 22-13631.

B. Initial Evaluation

- (1) If the MAT shows 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 test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (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 ILS G/S antenna switch, S34101.
These are the tasks:
ILS G/S Antenna Switch Removal, AMM TASK 34-31-06-000-801,
ILS G/S Antenna Switch Installation, AMM TASK 34-31-06-400-801.
 - (a) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (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 left Autopilot/Flight Director Computer (AFDC), 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) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (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) Disconnect connector DS34101D from the ILS G/S antenna switch, S34101.
- (4) Do a wiring check between these pins of connector GD262 at the signal ground connection and connector DS34101D at the ILS G/S antenna switch (WDM 34-31-12).

GD262	DS34101D
pin DC	pin B

- (5) If you find a problem with the wiring, do these steps:
 - (a) Repair the wiring.
 - (b) Re-connect connector DS34101D.
 - (c) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.

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- (d) If the maintenance message does not show on the ground test display, you corrected the fault.
- (6) Remove the left Autopilot/Flight Director Computer (AFDC), M22101. To remove it, do this task: Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801.
- (7) Disconnect connector DS34101D from the ILS G/S antenna switch, S34101.
- (8) Do a wiring check between these pins of connector DM22101AC at the E1-3 shelf and connector DS34101D at the ILS G/S antenna switch (WDM 34-31-13).

DM22101AC	DS34101D
pin C06	pin A
pin F11	pin E

- (9) If you find a problem with the wiring, do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the left AFDC, M22101. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
 - (c) Re-connect connector DS34101D.
 - (d) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (e) If the maintenance message does not show on the ground test display, you corrected the fault.
- (10) If you do not find a problem with the wiring, then do these steps:
 - (a) Install a new left AFDC, M22101. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
 - (b) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (c) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

807. Center ILS Glideslope Antenna Switch Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 22-13502, 22-13632.

B. Initial Evaluation

- (1) If the MAT shows 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 test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (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) Disconnect connector DS34301D from the ILS G/S antenna switch, S34301.

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- (2) Make sure that this circuit breaker is closed:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	10	C34630	ILS ANT SWITCH C

- (3) Do a check for 28 VDC between pins D and B of connector DS34301D at the ILS G/S antenna switch, S34301 (WDM 34-31-32).
- (4) If there is 28 VDC between pins D and B of connector DS34301D then do these steps:
- Install a new ILS G/S antenna switch, S34301. To install it, do this task: ILS G/S Antenna Switch Installation, AMM TASK 34-31-06-400-801.
 - Re-connect connector DS34301D.
 - Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - If the maintenance message does not show on the ground test display, you corrected the fault.
 - If the maintenance message shows on the ground test display, then continue.
- (5) If there is not 28 VDC between pins D and B of connector DS34301D then do these steps:
- Disconnect connector D5660P from the overhead circuit breaker panel, P11.
 - Do a wiring check between these pins of connector D5660P at the overhead circuit breaker panel, P11 and connector DS34301D at the ILS G/S antenna switch, S34301 (WDM 34-31-32).

D5660P	DS34301D
pin 5	pin D

- (c) If you find a problem with the wiring, then do these steps:
- Repair the wiring.
 - Re-connect connector DS34301D.
 - Re-connect connector D5660P.
 - Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - If the maintenance message does not show on the ground test display, you corrected the fault.
- (d) If you do not find a problem with the wiring, then do these steps:
- (e) Do a wiring check between these pins of connector GD265 at the signal ground connection and connector DS34301D at the ILS G/S antenna switch, S34301 (WDM 34-31-32).

GD265	DS34301D
pin DC	pin B

- (f) If you find a problem with the wiring, then do these steps:
- Repair the wiring.
 - Re-connect connector DS34301D.

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- 3) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
- 4) If the maintenance message does not show on the ground test display, you corrected the fault.
- (6) Remove the center Autopilot/Flight Director Computer (AFDC), M22301. To remove it, do this task: Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801.
- (7) Disconnect connector DS34301D from the ILS G/S antenna switch, S34301.
- (8) Do a wiring check between these pins of connector DM22301AC at the E4-1 shelf and connector DS34301D at the ILS G/S antenna switch (WDM 34-31-33).

DM22301AC	DS34301D
pin C6	pin A
pin F11	pin E

- (9) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the center AFDC, M22301. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
 - (c) Re-connect connector DS34301D.
 - (d) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (e) If the maintenance message does not show on the ground test display, you corrected the fault.
- (10) If you do not find a problem with the wiring, then do these steps:
 - (a) Install a new center AFDC, M22301. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
 - (b) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (c) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

808. Right ILS Glideslope Antenna Switch Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 22-13503, 22-13633.

B. Initial Evaluation

- (1) If the MAT shows 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 test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (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) Disconnect connector DS34201D from the ILS G/S antenna switch, S34201.
- (2) Make sure that this circuit breaker is closed:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	21	C34628	ILS ANT SWITCH R

- (3) Do a check for 28 VDC between pins D and B of connector DS34201D at the ILS G/S antenna switch, S34201 (WDM 34-31-22).
- (4) If there is 28 VDC between pins D and B of connector DS34201D then do these steps:
 - (a) Install a new ILS G/S antenna switch, S34201. To install it, do this task: ILS G/S Antenna Switch Installation, AMM TASK 34-31-06-400-801.
 - (b) Re-connect connector DS34201D.
 - (c) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (d) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (e) If the maintenance message shows on the ground test display, then continue.
- (5) If there is not 28 VDC between pins D and B of connector DS34201D then do these steps:
 - (a) Disconnect connector D5660P from the overhead circuit breaker panel, P11.
 - (b) Do a wiring check between these pins of connector D5655P at the overhead circuit breaker panel, P11 and connector DS34201D at the ILS G/S antenna switch, S34201 (WDM 34-31-22).

D5655P	DS34201D
pin 25	pin D

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DS34201D.
 - 3) Re-connect connector D5655P.
 - 4) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - 5) If the maintenance message does not show on the ground test display, you corrected the fault.
- (d) If you do not find a problem with the wiring, then do these steps:
- (e) Do a wiring check between these pins of connector GD264 at the signal ground connection and connector DS34201D at the ILS G/S antenna switch, S34201 (WDM 34-31-22).

GD264	DS34201D
pin DC	pin B

- (f) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.

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- 2) Re-connect connector DS34201D.
- 3) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
- 4) If the maintenance message does not show on the ground test display, you corrected the fault.
- (6) Remove the right Autopilot/Flight Director Computer (AFDC), M22201. To remove it, do this task: Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801.
- (7) Disconnect connector DS34201D from the ILS G/S antenna switch, S34201.
- (8) Do a wiring check between these pins of connector DM22201AC at the E2-5 shelf and connector DS34201D at the ILS G/S antenna switch (WDM 34-31-23).

DM22201AC	DS34201D
pin C6	pin A
pin F11	pin E

- (9) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the right AFDC, M22201. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
 - (c) Re-connect connector DS34201D.
 - (d) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (e) If the maintenance message does not show on the ground test display, you corrected the fault.
- (10) If you do not find a problem with the wiring, then do these steps:
 - (a) Install a new right AFDC, M22201. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
 - (b) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (c) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

809. ILS Localizer Antenna Switch Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 22-13511.

B. Initial Evaluation

- (1) If the MAT shows 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 test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (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) Disconnect connector DS34102D from the ILS localizer antenna switch, S34102.
- (2) Make sure that this circuit breaker is closed:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	8	C34629	ILS ANT SWITCH L

- (3) Do a check for 28 VDC between pins D and B of connector DS34102D at the ILS localizer antenna switch, S34102 (WDM 34-31-12).
- (4) If there is 28 VDC between pins D and B of connector DS34102D then do these steps:
 - (a) Install a new ILS localizer antenna switch, S34102. To install it, do this task: ILS Localizer Antenna Switch Installation, AMM TASK 34-31-05-400-801.
 - (b) Re-connect connector DS34102D.
 - (c) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (d) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (e) If the maintenance message shows on the ground test display, then continue.
- (5) If there is not 28 VDC between pins D and B of connector DS34102D then do these steps:
 - (a) Disconnect connector D5651P from the overhead circuit breaker panel, P11.
 - (b) Do a wiring check between these pins of connector D5651P at the overhead circuit breaker panel, P11 and connector DS34102D at the ILS localizer antenna switch, S34102 (WDM 34-31-12).

D5651P	DS34102D
pin 30	pin D

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DS34102D.
 - 3) Re-connect connector D5651P.
 - 4) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - 5) If the maintenance message does not show on the ground test display, you corrected the fault.
- (d) If you do not find a problem with the wiring, then do these steps:
- (e) Do a wiring check between these pins of connector GBY2 at the signal ground connection and connector DS34102D at the ILS localizer antenna switch, S34102 (WDM 34-31-12).

GBY2	DS34102D
pin DC	pin B

- (f) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.

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- 2) Re-connect connector DS34102D.
 - 3) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - 4) If the maintenance message does not show on the ground test display, you corrected the fault.
- (6) Remove the left Autopilot/Flight Director Computer (AFDC), M22101. To remove it, do this task: Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801.
 - (7) Disconnect connector DS34102D from the ILS localizer antenna switch, S34102.
 - (8) Do a wiring check between these pins of connector DM22101AC at the E1-3 shelf and connector DS34102D at the ILS localizer antenna switch, S34102 (WDM 34-31-13).

DM22101AC	DS34102D
pin A5	pin A
pin G10	pin E

- (9) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the left AFDC, M22101. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
 - (c) Re-connect connector DS34102D.
 - (d) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (e) If the maintenance message does not show on the ground test display, you corrected the fault.
- (10) If you do not find a problem with the wiring, then do these steps:
 - (a) Install a new left AFDC, M22101. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
 - (b) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (c) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

810. Center ILS Localizer Antenna Switch Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 22-13512.

B. Initial Evaluation

- (1) If the MAT shows 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 test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (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) Disconnect connector DS34302D from the ILS localizer antenna switch, S34302.
- (2) Make sure that this circuit breaker is closed:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	10	C34630	ILS ANT SWITCH C

- (3) Do a check for 28 VDC between pins D and B of connector DS34302D at the ILS localizer antenna switch, S34302 (WDM 34-31-32).
- (4) If there is 28 VDC between pins D and B of connector DS34302D then do these steps:
 - (a) Install a new ILS localizer antenna switch, S34302. To install it, do this task: ILS Localizer Antenna Switch Installation, AMM TASK 34-31-05-400-801.
 - (b) Re-connect connector DS34302D.
 - (c) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (d) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (e) If the maintenance message shows on the ground test display, then continue.
- (5) If there is not 28 VDC between pins D and B of connector DS34302D then do these steps:
 - (a) Disconnect connector D5660P from the overhead circuit breaker panel, P11.
 - (b) Do a wiring check between these pins of connector D5660P at the overhead circuit breaker panel, P11 and connector DS34302D at the ILS localizer antenna switch, S34302 (WDM 34-31-32).

D5660P	DS34302D
pin 5	pin D

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DS34302D.
 - 3) Re-connect connector D5660P.
 - 4) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - 5) If the maintenance message does not show on the ground test display, you corrected the fault.
- (d) If you do not find a problem with the wiring, do these steps:
- (e) Do a wiring check between these pins of connector GBY9 at the signal ground connection and connector DS34302D at the ILS localizer antenna switch, S34302 (WDM 34-31-32).

GBY9	DS34302D
pin DC	pin B

- (f) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.

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- 2) Re-connect connector DS34302D.
 - 3) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - 4) If the maintenance message does not show on the ground test display, you corrected the fault.
- (6) Remove the center Autopilot/Flight Director Computer (AFDC), M22301. To remove it, do this task: Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801.
 - (7) Disconnect connector DS34302D from the ILS localizer antenna switch, S34302.
 - (8) Do a wiring check between these pins of connector DM22301AC at the E4-1 shelf and connector DS34302D at the ILS localizer antenna switch, S34302 (WDM 34-31-33).

DM22301AC	DS34302D
pin A5	pin A
pin G10	pin E

- (9) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the center AFDC, M22301. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
 - (c) Re-connect connector DS34302D.
 - (d) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (e) If the maintenance message does not show on the ground test display, you corrected the fault.
- (10) If you do not find a problem with the wiring, then do these steps:
 - (a) Install a new center AFDC, M22301. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
 - (b) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (c) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

811. Right ILS Localizer Antenna Switch Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 22-13513.

B. Initial Evaluation

- (1) If the MAT shows 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 test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (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) Disconnect connector DS34202D from the ILS localizer antenna switch, S34202.
- (2) Make sure that this circuit breaker is closed:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
F	21	C34628	ILS ANT SWITCH R

- (3) Do a check for 28 VDC between pins D and B of connector DS34202D at the ILS localizer antenna switch, S34202 (WDM 34-31-22).
- (4) If there is 28 VDC between pins D and B of connector DS34202D then do these steps:
 - (a) Install a new ILS localizer antenna switch, S34202. To install it, do this task: ILS Localizer Antenna Switch Installation, AMM TASK 34-31-05-400-801.
 - (b) Re-connect connector DS34202D.
 - (c) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (d) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (e) If the maintenance message shows on the ground test display, then continue.
- (5) If there is not 28 VDC between pins D and B of connector DS34202D then do these steps:
 - (a) Disconnect connector D5655P from the overhead circuit breaker panel, P11.
 - (b) Do a wiring check between these pins of connector D5655P at the overhead circuit breaker panel, P11 and connector DS34202D at the ILS localizer antenna switch, S34202 (WDM 34-31-22).

D5655P	DS34202D
pin 25	pin D

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DS34202D.
 - 3) Re-connect connector D5655P.
 - 4) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - 5) If the maintenance message does not show on the ground test display, you corrected the fault.
- (d) If you do not find a problem with the wiring, do these steps:
- (e) Do a wiring check between these pins of connector GBY8 at the signal ground connection and connector DS34202D at the ILS localizer antenna switch, S34202 (WDM 34-31-22).

GBY8	DS34202D
pin DC	pin B

- (f) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.

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- 2) Re-connect connector DS34202D.
 - 3) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - 4) If the maintenance message does not show on the ground test display, you corrected the fault.
- (6) Remove the right Autopilot/Flight Director Computer (AFDC), M22201. To remove it, do this task: Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801.
 - (7) Disconnect connector DS34202D from the ILS localizer antenna switch, S34202.
 - (8) Do a wiring check between these pins of connector DM22201AC at the E2-5 shelf and connector DS34202D at the ILS localizer antenna switch, S34202 (WDM 34-31-23).

DM22201AC	DS34202D
pin A5	pin A
pin G10	pin E

- (9) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the right AFDC, M22201. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
 - (c) Re-connect connector DS34202D.
 - (d) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (e) If the maintenance message does not show on the ground test display, you corrected the fault.
- (10) If you do not find a problem with the wiring, then do these steps:
 - (a) Install a new right AFDC, M22201. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
 - (b) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (c) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

840. ILS Signal Beam Error Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 22-10200.

B. Initial Evaluation

NOTE: This maintenance message can only occur during flight. When the airplane is on the ground, it is not possible to simulate the conditions which cause this message.

This maintenance message can only occur because of a blockage of the localizer or the glideslope signals. The blockage may be the result of an airplane flying or taxing near the beam, or equipment or personnel near the beam.

No maintenance action is required.

————— **END OF TASK** —————

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841. ILS Frequency Changed After LOC or G/S Capture - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 22-11651, 22-11652, 22-11653, 22-11654.

B. Initial Evaluation

NOTE: This maintenance message can only occur during flight. When the airplane is on the ground, it is not possible to simulate the conditions which cause this message.

This maintenance message can only occur when the airplane is a flight director approach, and the localizer or the glideslope captured, and the radio altitude is greater than 500 feet, and the captain or the first officer changes the ILS frequency.

No maintenance action is necessary.

————— **END OF TASK** —————

842. Tuning Signals from AIMS-L on General Purpose 429 Bus #2 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-77001.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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, 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) 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. Tuning Signals from AIMS-R on General Purpose 429 Bus #2 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-77002.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, 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, 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) 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. ILS frequency does not show on ND - Fault Isolation

A. Fault Isolation

- (1) Look at the Extended Maintenance, Existing Faults display on the MAT.
 - (a) If a maintenance message related to the multi-mode receiver shows in the 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.
- (2) If a maintenance message related to the multi-mode receiver does not show in Existing Faults, then there was an intermittent fault.

————— **END OF TASK** —————

845. ILS deviation scale and pointer do not show on PFD and ND - Fault Isolation

A. Fault Isolation

- (1) Look at the Extended Maintenance, Existing Faults display on the MAT.
 - (a) If a maintenance message related to the multi-mode receiver shows in the 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.
- (2) If a maintenance message related to the multi-mode receiver does not show in Existing Faults, then there was an intermittent fault.

————— **END OF TASK** —————

846. Multi-Mode Receiver Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-53011.

B. Fault Isolation Procedure

- (1) Replace the left multi-mode receiver, 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.

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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 —————

847. Center Multi-Mode Receiver Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-53012.

B. Fault Isolation Procedure

- (1) Replace the center multi-mode receiver, 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.

- (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 Multi-Mode Receiver Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-53013.

B. Fault Isolation Procedure

- (1) Replace the right multi-mode receiver, 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.

- (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 —————

849. Multi-Mode Receiver-L No Input from AIMS-R on NAVAID TUNE-L 429 BUS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-53021.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 multi-mode receiver, M34410.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, 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) If the MAT shows NOT ACTIVE for the maintenance message (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 multi-mode receiver, M34410. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (b) Remove the IOM (M009) module from 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 J420-A at the right AIMS cabinet on the E3-1 shelf and connector DM34410AB at the left multi-mode receiver (WDM 34-31-11).
- | J420-A | DM34410AB |
|-------------------|------------------|
| pin F11 | pin J1 |
| pin G12 | pin K1 |
- (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 left multi-mode receiver, 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.

————— **END OF TASK** —————

850. **Multi-Mode Receiver-C No Input from AIMS-R on NAVAID TUNE-C 429 BUS - Fault Isolation**

A. Maintenance Messages

- (1) This task is for maintenance message: 34-53022.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, 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 center multi-mode receiver, 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, 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) If the MAT shows NOT ACTIVE for the maintenance message (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 multi-mode receiver, M34610. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
- (b) Remove the IOM (M008) module from 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 J410-A at the right AIMS cabinet on the E3-1 shelf and connector DM34610AB at the center multi-mode receiver (WDM 34-31-31).

J410-A

pin F11 pin J1
pin G12 pin K1

DM34610AB

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the IOM (M008) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - 3) Re-install the center multi-mode receiver, 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.

————— **END OF TASK** —————

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851. Multi-Mode Receiver-R No Input from AIMS-R on NAVAID TUNE-R 429 BUS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-53023.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 multi-mode receiver, 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.
- (2) Replace the IOM (M004) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 multi-mode receiver, M34510. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (b) Remove the IOM (M004) module from 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 J250-A at the right AIMS cabinet on the E3-1 shelf and connector DM34510AB at the right multi-mode receiver (WDM 34-31-21).

J250-A

pin F11

pin G12

DM34510AB

pin J1

pin K1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the IOM (M004) 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 right ILS receiver, 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.

———— **END OF TASK** ————

852. Multi-Mode Receiver-L No Input from CDU-L on NAVAID TUNE-L 429 BUS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-53031.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 multi-mode receiver, 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.
- (2) Replace the left Control Display Unit (CDU), N34103.
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.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (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 multi-mode receiver, M34410. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (b) Remove the left CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (c) Do a wiring check between these pins of connector DN34103C at the left CDU, N34103 on the P9 aisle stand panel and connector DM34410AB at the left multi-mode receiver (WDM 34-31-11).

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DN34103C

pin 9 pin C1
pin 10 pin D1

DM34410AB

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the left CDU, N34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 3) Re-install the left multi-mode receiver, 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.

— END OF TASK —

853. Multi-Mode Receiver-C No Input from CDU-L on NAVAID TUNE-C 429 BUS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-53032.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 multi-mode receiver, 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 Control Display Unit (CDU), N34103.
- 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 center multi-mode receiver, M34610. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
- (b) Remove the left CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
- (c) Do a wiring check between these pins of connector DN34103C at the left CDU, N34103 on the P9 aisle stand panel and connector DM34610AB at the center multi-mode receiver (WDM 34-31-31).

DN34103C

pin 9 pin C1
pin 10 pin D1

DM34610AB

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left CDU, N34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 3) Re-install the center multi-mode receiver, 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.

END OF TASK

854. Multi-Mode Receiver-R No Input from CDU-R on NAVAID TUNE-R 429 BUS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-53033.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 multi-mode receiver, 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.
- (2) Replace the right Control Display Unit (CDU), N34203.

These are the tasks:

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Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801,
Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.

- (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 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) Remove the right CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (c) Do a wiring check between these pins of connector DN34203C at the right CDU, N34203 on the P9 aisle stand panel and connector DM34510AB at the right multi-mode receiver (WDM 34-31-21).

DN34203C

pin 9 pin C1
pin 10 pin D1

DM34510AB

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right CDU, N34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 3) Re-install the right multi-mode receiver, 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.

————— **END OF TASK** —————

855. Left Multi-Mode Receiver Output Bus Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-53801.

B. Fault Isolation Procedure

- (1) Replace the left multi-mode receiver, 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.
- (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. Center Multi-Mode Receiver Output Bus Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-53802.

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B. Fault Isolation Procedure

- (1) Replace the center multi-mode receiver, 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.

- (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 —————

857. Right Multi-Mode Receiver Output Bus Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-53803.

B. Fault Isolation Procedure

- (1) Replace the right multi-mode receiver, 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.

- (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 —————

858. Multi-Mode Receiver-L No Output on OUTPUT #2 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-53894.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 multi-mode receiver, 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.
- (2) Do this check of the wiring:

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- (a) Remove the left multi-mode receiver, M34410. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
- (b) Remove the ground proximity warning computer, 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 E5-2 shelf and connector DM34410AB at the E1-2 shelf (WDM 34-31-11).

DM34004AA

pin D11 pin G1
pin C11 pin H1

DM34410AB

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the ground proximity warning computer, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
 - 3) Re-install the left multi-mode receiver, 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.

END OF TASK

859. Multi-Mode Receiver-C No Output on OUTPUT #2 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-53895.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 multi-mode receiver, 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 multi-mode receiver, M34610. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.

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- (b) Remove the IOM (M009) module from 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 J420-B at the right AIMS cabinet on the E2-1 shelf and connector DM34610AB at the center multi-mode receiver (WDM 34-31-31).

J420-B	DM34610AB
pin A2	pin G1
pin B2	pin H1

- (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 center multi-mode receiver, 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.

————— END OF TASK —————

860. Multi-Mode Receiver-R No Output on OUTPUT #2 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-53896.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 multi-mode receiver, 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.
- (2) 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) Remove the IOM (M004) module from the right AIMS cabinet, M31201. 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 J250-B at the right AIMS cabinet on the E2-1 shelf and connector DM34510AB at the center ILS receiver (WDM 34-31-21).

J250-B	DM34510AB
pin A10	pin G1
pin B10	pin H1

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the IOM (M004) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - 3) Re-install the right multi-mode receiver, 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.

————— **END OF TASK** —————

861. Multi-Mode Receiver-L No Input from AIMS-L on CMCS-L 429 BUS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-59928.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 multi-mode receiver, 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.
- (2) Replace the IOM (M009) module 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) If the MAT shows NOT ACTIVE for the maintenance 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 multi-mode receiver, M34410. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (b) Remove the IOM (M009) module from the left AIMS cabinet, M31101. 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 and connector DM34410AB at the left multi-mode receiver (WDM 34-31-11).

J420-A	DM34410AB
pin F11	pin E1
pin G12	pin F1

- (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 left multi-mode receiver, 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.

————— **END OF TASK** —————

862. Multi-Mode Receiver-C No Input from AIMS-L on CMCS-L 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-59929.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 multi-mode receiver, 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.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, 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) If the MAT shows NOT ACTIVE for the maintenance message (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 multi-mode receiver, M34610. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (b) Remove the IOM (M008) module from the left AIMS cabinet, M31101. 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 J410-A at the left AIMS cabinet on the E3-1 shelf and connector DM34610AB at the center multi-mode receiver (WDM 34-31-31).
- | J410-A | DM34610AB |
|-------------------|-----------|
| pin F11 | pin E1 |
| pin G12 | pin F1 |
- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the IOM (M008) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - 3) Re-install the center multi-mode receiver, 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.

————— **END OF TASK** —————

863. **Multi-Mode Receiver-R No Input from AIMS-L on CMCS-L 429 Bus - Fault Isolation**

A. Maintenance Messages

- (1) This task is for maintenance message: 34-59930.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 multi-mode receiver, 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.
- (2) Replace the IOM (M004) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 multi-mode receiver, M34510. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (b) Remove the IOM (M004) module from the left AIMS cabinet, M31101. 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 J250-A at the left AIMS cabinet on the E3-1 shelf and connector DM34510AB at the right multi-mode receiver (WDM 34-31-21).

J250-A

pin F11 pin E1
pin G12 pin F1

DM34510AB

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the IOM (M004) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - 3) Re-install the right multi-mode receiver, 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.

————— **END OF TASK** —————

864. Multi-Mode Receiver-L No Input from AIMS-L on IRS/FMS-1 429 In Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-59931.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, 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 multi-mode receiver, 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.
- (2) Replace the IOM (M008) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 multi-mode receiver, M34410. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
- (b) Remove the IOM (M008) module from the left AIMS cabinet, M31101. 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 J410-A at the left AIMS cabinet on the E3-1 shelf and connector DM34410AB at the left multi-mode receiver (WDM 34-31-11).

J410-A

pin F12 pin E1
pin G13 pin F1

DM34410AB

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the IOM (M008) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the left multi-mode receiver, 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.
- 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left electronic unit, N46102.

These are the tasks:

Electronic Unit Removal, AMM TASK 46-11-03-000-801,

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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.

————— **END OF TASK** —————

865. Multi-Mode Receiver-R No Input from AIMS-L on IRS/FMS-1 429 In Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-59932.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 multi-mode receiver, 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.
- (2) Replace the IOM (M008) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 multi-mode receiver, M34510. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
- (b) Remove the IOM (M008) module from the left AIMS cabinet, M31101. 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 J410-A at the left AIMS cabinet on the E3-1 shelf and connector DM34510AB at the right multi-mode receiver (WDM 34-31-21).

J410-A

pin F12

pin G13

DM34510AB

pin E1

pin F1

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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) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - 3) Re-install the right multi-mode receiver, 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.
 - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left electronic unit, N46102.

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.

END OF TASK

866. Multi-Mode Receiver-L No Input from AIMS-R on IRS/FMS-2 429 In Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-59934.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 multi-mode receiver, 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.
- (2) Replace the IOM (M008) module 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.

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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 multi-mode receiver, M34410. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (b) Remove the IOM (M008) module from 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 J410-A at the right AIMS cabinet on the E3-1 shelf and connector DM34410AB at the left multi-mode receiver (WDM 34-31-11).

J410-A

pin F11 pin E1
pin G12 pin F1

DM34410AB

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the IOM (M008) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - 3) Re-install the left multi-mode receiver, 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.
 - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the right electronic unit, 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.

————— **END OF TASK** —————

867. Multi-Mode Receiver-R No Input from AIMS-R on IRS/FMS-2 429 In Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-59935.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, 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 multi-mode receiver, 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.
- (2) Replace the IOM (M008) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 multi-mode receiver, M34510. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
- (b) Remove the IOM (M008) module from 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 J410-A at the right AIMS cabinet on the E3-1 shelf and connector DM34510AB at the right multi-mode receiver (WDM 34-31-21).

J410-A

pin F11 pin E1
pin G12 pin F1

DM34510AB

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the IOM (M008) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - 3) Re-install the right multi-mode receiver, 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.
 - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the right electronic unit, N46202.

These are the tasks:

Electronic Unit Removal, AMM TASK 46-11-03-000-801,

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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.

END OF TASK

868. Left MMR G/S Invalid In Approach - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 22-11305.

B. Initial Evaluation

NOTE: This maintenance message can only occur during flight. When the airplane is on the ground, it is not possible to simulate the conditions which cause this message.

- (1) Make sure the nose landing gear door bonding jumper is installed.
 - (a) If you find a problem with the jumper, install the jumper or repair the wiring.
 - (b) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - (c) If the maintenance message shows on the subsequent flights, then do the fault isolation procedure.

C. Fault Isolation Procedure

- (1) 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.

- (a) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - (b) If the maintenance message shows on the subsequent flights, then continue.
- (2) Replace the left ILS G/S antenna switch, S34101.

These are the tasks:

ILS G/S Antenna Switch Removal, AMM TASK 34-31-06-000-801,

ILS G/S Antenna Switch Installation, AMM TASK 34-31-06-400-801.

- (a) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - (b) If the maintenance message shows on the subsequent flights, then continue.
- (3) Replace the left Autopilot/Flight Director Computer (AFDC), 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 maintenance message does not show on the subsequent flights, then you corrected the fault.
 - (b) If the maintenance message shows on the subsequent flights, then continue.
- (4) Do this check of the wiring.
 - (a) Remove the left MMR, M34410. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.

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- (b) Disconnect connector DS34101B from the left ILS G/S antenna switch, S34101.
- (c) Do a wiring check between these pins of connector DM34410AC at the left MMR, M34410 and connector DS34101B at the ILS G/S antenna switch, S34101 (WDM 34-31-13).

DM34410AC	DS34101B
pin 13	pin A1
pin C13	pin C1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DS34101B.
 - 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 maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 5) If the maintenance message shows on the subsequent flights, then continue.
- (e) If you do not find a problem with the wiring, then continue.



YOU MUST PUT RF ABSORBENT MATERIAL ON THE ANTENNA BEFORE YOU USE THE TDR TEST SET. YOU CAN DAMAGE THE TEST SET IF A HIGH POWER TRANSMITTER OPERATES WITHIN 500 FEET OF THE ANTENNA.

- (5) Cover the ILS G/S capture antenna, M34018 with RF absorbent material.
- (6) Use a time domain reflectometer (TDR) test set to do an electrical check of the coaxial cable and antenna:
 - (a) Disconnect connector DS34101C from the left ILS G/S antenna switch, S34101.
 - (b) Connect the TDR test set at pins A1 and C1 of connector DS34101C at the left ILS G/S antenna switch (WDM 34-31-12).
 - (c) Do an electrical check of the coaxial cable and the antenna.
NOTE: The TDR test set has instructions which tell how to do the check of the cable and antenna.
 - (d) Disconnect the TDR test set.
 - (e) Re-connect connector DS34101C.
 - (f) If you find a problem with the coaxial cable, then do these steps:
 - 1) Replace the coaxial cable (WDM 34-31-12).
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 3) If the maintenance message shows on the subsequent flights, then continue.
 - (g) If you find a problem with the antenna, then do these steps:
 - 1) Replace the ILS G/S capture antenna.
These are the tasks:
ILS G/S Capture Antenna Removal, AMM TASK 34-31-03-000-801,
ILS G/S Capture Antenna Installation, AMM TASK 34-31-03-400-801.

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- 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
- 3) If the maintenance message shows on the subsequent flights, then continue.
- (h) If you do not find a problem with the coaxial cable or the antenna, then continue:



YOU MUST PUT RF ABSORBENT MATERIAL ON THE ANTENNA BEFORE YOU USE THE TDR TEST SET. YOU CAN DAMAGE THE TEST SET IF A HIGH POWER TRANSMITTER OPERATES WITHIN 500 FEET OF THE ANTENNA.

- (7) Cover the ILS G/S track antenna, M34020 with RF absorbent material.
- (8) Use a TDR test set to do an electrical check of the coaxial cable and antenna:
 - (a) Disconnect connector DS34101A from the left ILS G/S antenna switch, S34101.
 - (b) Connect the TDR test set at pins A1 and C1 of connector DS34101A at the left ILS G/S antenna switch (WDM 34-31-12).
 - (c) Do an electrical check of the coaxial cable and the antenna.

NOTE: The TDR test set has instructions which tell how to do the check of the cable and antenna.
 - (d) Disconnect the TDR test set.
 - (e) Re-connect connector DS34101A.
 - (f) If you find a problem with the coaxial cable, do these steps:
 - 1) Replace the coaxial cable (WDM 34-31-12).
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 3) If the maintenance message shows on the subsequent flights, then continue.
 - (g) If you find a problem with the antenna, do these steps:
 - 1) Replace the ILS G/S track antenna.

These are the tasks:
ILS G/S Track Antenna Removal, AMM TASK 34-31-04-000-801,
ILS G/S Track Antenna Installation, AMM TASK 34-31-04-400-801.
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.

————— **END OF TASK** —————

869. Center MMR G/S Invalid In Approach - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 22-11315, 22-11355, 22-11395.

B. Initial Evaluation

NOTE: This maintenance message can only occur during flight. When the airplane is on the ground, it is not possible to simulate the conditions which cause this message.

C. Fault Isolation Procedure

- (1) Replace the center MMR, M34610.

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.

- (a) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - (b) If the maintenance message shows on the subsequent flights, then continue.
- (2) Replace the center ILS G/S antenna switch, S34301.

These are the tasks:

ILS G/S Antenna Switch Removal, AMM TASK 34-31-06-000-801,

ILS G/S Antenna Switch Installation, AMM TASK 34-31-06-400-801.

- (a) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - (b) If the maintenance message shows on the subsequent flights, then continue.
- (3) Replace the center Autopilot/Flight Director Computer (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.

- (a) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - (b) If the maintenance message shows on the subsequent flights, then continue.
- (4) Do this check of the wiring.
- (a) Remove the center MMR, M34610. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (b) Disconnect connector DS34301B from the center ILS G/S antenna switch, S34301.
 - (c) Do a wiring check between these pins of connector DM34610AC at the center MMR, M34610 and connector DS34301B at the center ILS G/S antenna switch, S34301 (WDM 34-31-32).

DM34610AC

DS34301B

pin 13 pin A1

pin C13 pin C1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DS34301B.
 - 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 maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 5) If the maintenance message shows on the subsequent flights, then continue.
 - (e) If you do not find a problem with the wiring, then continue.
- (5) Use a time domain reflectometer (TDR) test set to do an electrical check of the coaxial cable and antenna:
- (a) Install a 50 Ohm terminator on the coaxial cable prior to use TDR test set.

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- (b) Disconnect connector DS34301C from the center ILS G/S antenna switch, S34301.
- (c) Connect the TDR test set at pins A1 and C1 of connector DS34301C at the center ILS G/S antenna switch (WDM 34-31-32).
- (d) Do an electrical check of the coaxial cable and the antenna.
NOTE: The TDR test set has instructions which tell how to do the check of the cable and antenna.
- (e) Disconnect the TDR test set.
- (f) Re-connect connector DS34301C.
- (g) If you find a problem with the coaxial cable, then do these steps:
 - 1) Replace the coaxial cable (WDM 34-31-32).
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 3) If the maintenance message shows on the subsequent flights, then continue.
- (h) If you find a problem with the antenna, then do these steps:
 - 1) Replace the ILS G/S capture antenna,
These are the tasks:
ILS G/S Capture Antenna Removal, AMM TASK 34-31-03-000-801,
ILS G/S Capture Antenna Installation, AMM TASK 34-31-03-400-801.
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 3) If the maintenance message shows on the subsequent flights, then continue.
- (i) If you do not find a problem with the coaxial cable or the antenna, then continue:
- (6) Use a TDR test set to do an electrical check of the coaxial cable and antenna:
 - (a) Install a 50 Ohm terminator on the coaxial cable prior to use TDR test set.
 - (b) Disconnect connector DS34301A from the center ILS G/S antenna switch, S34301.
 - (c) Connect the TDR test set at pins A1 and C1 of connector DS34301A at the center ILS G/S antenna switch (WDM 34-31-32).
 - (d) Do an electrical check of the coaxial cable and the antenna.
NOTE: The TDR test set has instructions which tell how to do the check of the cable and antenna.
 - (e) Disconnect the TDR test set.
 - (f) Re-connect connector DS34301A.
 - (g) If you find a problem with the coaxial cable, do these steps:
 - 1) Replace the coaxial cable (WDM 34-31-32).
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 3) If the maintenance message shows on the subsequent flights, then continue.
 - (h) If you find a problem with the antenna, do these steps:
 - 1) Replace the ILS G/S track antenna,
These are the tasks:
ILS G/S Track Antenna Removal, AMM TASK 34-31-04-000-801,

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- 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.

————— END OF TASK —————

870. Right MMR G/S Invalid In Approach - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 22-11325, 22-11365.

B. Initial Evaluation

NOTE: This maintenance message can only occur during flight. When the airplane is on the ground, it is not possible to simulate the conditions which cause this message.

- (1) Make sure the nose landing gear door bonding jumper is installed.
 - (a) If you find a problem with the jumper, install the jumper or repair the wiring.
 - (b) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - (c) If the maintenance message shows on the subsequent flights, then do the fault isolation procedure.

C. Fault Isolation Procedure

- (1) 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.

- (a) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - (b) If the maintenance message shows on the subsequent flights, then continue.
- (2) Replace the right ILS G/S antenna switch, S34201.

These are the tasks:

ILS G/S Antenna Switch Removal, AMM TASK 34-31-06-000-801,

ILS G/S Antenna Switch Installation, AMM TASK 34-31-06-400-801.

- (a) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - (b) If the maintenance message shows on the subsequent flights, then continue.
- (3) Replace the right Autopilot/Flight Director Computer (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.

- (a) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - (b) If the maintenance message shows on the subsequent flights, then continue.
- (4) Do this check of the wiring.
 - (a) Remove the right MMR, M34510. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.

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- (b) Disconnect connector DS34201B from the right ILS G/S antenna switch, S34201.
- (c) Do a wiring check between these pins of connector DM34510AC at the right MMR, M34510 and connector DS34201B at the right ILS G/S antenna switch, S34201 (WDM 34-31-22).

DM34510AC

pin 13 pin A1
pin C13 pin C1

DS34201B

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DS34201B.
 - 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 maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 5) If the maintenance message shows on the subsequent flights, then continue.
- (e) If you do not find a problem with the wiring, then continue.



YOU MUST PUT RF ABSORBENT MATERIAL ON THE ANTENNA BEFORE YOU USE THE TDR TEST SET. YOU CAN DAMAGE THE TEST SET IF A HIGH POWER TRANSMITTER OPERATES WITHIN 500 FEET OF THE ANTENNA.

- (5) Cover the ILS G/S capture antenna, M34019, with RF absorbent material.
- (6) Use a time domain reflectometer (TDR) test set to do an electrical check of the coaxial cable and antenna:
 - (a) Disconnect connector DS34201C from the right ILS G/S antenna switch, S34201.
 - (b) Connect the TDR test set at pins A1 and C1 of connector DS34201C at the right ILS G/S antenna switch (WDM 34-31-22).
 - (c) Do an electrical check of the coaxial cable and the antenna.
NOTE: The TDR test set has instructions which tell how to do the check of the cable and antenna.
 - (d) Disconnect the TDR test set.
 - (e) Re-connect connector DS34201C.
 - (f) If you find a problem with the coaxial cable, then do these steps:
 - 1) Replace the coaxial cable (WDM 34-31-22).
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 3) If the maintenance message shows on the subsequent flights, then continue.
 - (g) If you find a problem with the antenna, then do these steps:
 - 1) Replace the ILS G/S capture antenna.
These are the tasks:
ILS G/S Capture Antenna Removal, AMM TASK 34-31-03-000-801,
ILS G/S Capture Antenna Installation, AMM TASK 34-31-03-400-801.

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- 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
- 3) If the maintenance message shows on the subsequent flights, then continue.
- (h) If you do not find a problem with the coaxial cable or the antenna, then continue:



YOU MUST PUT RF ABSORBENT MATERIAL ON THE ANTENNA BEFORE YOU USE THE TDR TEST SET. YOU CAN DAMAGE THE TEST SET IF A HIGH POWER TRANSMITTER OPERATES WITHIN 500 FEET OF THE ANTENNA.

- (7) Cover the ILS G/S track antenna, M34021, with RF absorbent material.
- (8) Use a TDR test set to do an electrical check of the coaxial cable and antenna:
 - (a) Disconnect connector DS34201A from the right ILS G/S antenna switch, S34201.
 - (b) Connect the TDR test set at pins A1 and C1 of connector DS34201A at the right ILS G/S antenna switch (WDM 34-31-22).
 - (c) Do an electrical check of the coaxial cable and the antenna.

NOTE: The TDR test set has instructions which tell how to do the check of the cable and antenna.
 - (d) Disconnect the TDR test set.
 - (e) Re-connect connector DS34201A.
 - (f) If you find a problem with the coaxial cable, do these steps:
 - 1) Replace the coaxial cable (WDM 34-31-22).
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 3) If the maintenance message shows on the subsequent flights, then continue.
 - (g) If you find a problem with the antenna, do these steps:
 - 1) Replace the ILS G/S track antenna.

These are the tasks:
ILS G/S Track Antenna Removal, AMM TASK 34-31-04-000-801,
ILS G/S Track Antenna Installation, AMM TASK 34-31-04-400-801.
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.

————— **END OF TASK** —————

871. Multiple G/S Receivers Invalid in Approach - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 22-11330.

B. Initial Evaluation

NOTE: This maintenance message can only occur during flight. When the airplane is on the ground, it is not possible to simulate the conditions which cause this message.

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C. Fault Isolation Procedure

- (1) To help isolate the fault, do this task: Instrument Landing System - System Test, AMM TASK 34-31-00-730-801.
 - (a) If you find a problem with the ILS system, then repair the problem.
 - 1) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 2) If the maintenance message shows on the subsequent flights, then continue.
 - (b) If you do not find a problem with the ILS system, then continue.
- (2) To help isolate the fault, do this task: ILS Interface - System Test, AMM TASK 22-11-00-730-808.
 - (a) If you find a problem with the AFDC system, then repair the problem.
 - 1) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 2) If the maintenance message shows on the subsequent flights, then continue.
 - (b) If you do not find a problem with the AFDC system, then continue.
- (3) Do a check of the glideslope signal transmitted from the ground station.
 - (a) Make sure the ILS G/S track and capture antennas are not blocked from receiving the glideslope signal transmitted from the ground station.
 - (b) Make sure the glideslope signal transmitted from the ground station is the correct frequency and amplitude.
 - (c) If you find a problem with the transmitted signal, then repair the signal problem.
 - 1) If the maintenance message does not show on the subsequent flights, then you corrected the fault.

————— END OF TASK —————

872. Left MMR G/S Signal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 22-11345, 22-11375, 22-11385.

B. Initial Evaluation

NOTE: This maintenance message can only occur during flight. When the airplane is on the ground, it is not possible to simulate the conditions which cause this message.

C. Fault Isolation Procedure

- (1) 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.

 - (a) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - (b) If the maintenance message shows on the subsequent flights, then continue.
- (2) Replace the left ILS G/S antenna switch, S34101.

These are the tasks:

ILS G/S Antenna Switch Removal, AMM TASK 34-31-06-000-801,

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ILS G/S Antenna Switch Installation, AMM TASK 34-31-06-400-801.

- (a) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
- (b) If the maintenance message shows on the subsequent flights, then continue.
- (3) Replace the left Autopilot/Flight Director Computer (AFDC), 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 maintenance message does not show on the subsequent flights, then you corrected the fault.
 - (b) If the maintenance message shows on the subsequent flights, then continue.
- (4) Do this check of the wiring.
 - (a) Remove the left MMR, M34410. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (b) Disconnect connector DS34101B from the left ILS G/S antenna switch, S34101.
 - (c) Do a wiring check between these pins of connector DM34410AC at the left MMR, M34410 and connector DS34101B at the ILS G/S antenna switch, S34101 (WDM 34-31-13).

DM34410AC

pin 13
pin C13

DS34101B

pin A1
pin C1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DS34101B.
 - 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 maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 5) If the maintenance message shows on the subsequent flights, then continue.
- (e) If you do not find a problem with the wiring, then continue:



YOU MUST PUT RF ABSORBENT MATERIAL ON THE ANTENNA BEFORE YOU USE THE TDR TEST SET. YOU CAN DAMAGE THE TEST SET IF A HIGH POWER TRANSMITTER OPERATES WITHIN 500 FEET OF THE ANTENNA.

- (5) Cover the left ILS G/S capture antenna, M34018 with RF absorbent material.
- (6) Use a time domain reflectometer (TDR) test set to do an electrical check of the coaxial cable and antenna:
 - (a) Disconnect connector DS34101C from the left ILS G/S antenna switch, S34101.
 - (b) Connect the TDR test set at pins A1 and C1 of connector DS34101C at the left ILS G/S antenna switch (WDM 34-31-12).

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- (c) Do an electrical check of the coaxial cable and the antenna.

NOTE: The TDR test set has instructions which tell how to do the check of the cable and antenna.

- (d) Disconnect the TDR test set.

- (e) Re-connect connector DS34101C.

- (f) If you find a problem with the coaxial cable, then do these steps:

- 1) Replace the coaxial cable (WDM 34-31-12).
- 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
- 3) If the maintenance message shows on the subsequent flights, then continue.

- (g) If you find a problem with the antenna, do these steps:

- 1) Replace the ILS G/S capture antenna.

These are the tasks:

ILS G/S Capture Antenna Removal, AMM TASK 34-31-03-000-801,

ILS G/S Capture Antenna Installation, AMM TASK 34-31-03-400-801.

- 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.



YOU MUST PUT RF ABSORBENT MATERIAL ON THE ANTENNA BEFORE YOU USE THE TDR TEST SET. YOU CAN DAMAGE THE TEST SET IF A HIGH POWER TRANSMITTER OPERATES WITHIN 500 FEET OF THE ANTENNA.

- (7) Cover the ILS G/S track antenna, M34020 with RF absorbent material.

- (8) Use a TDR test set to do an electrical check of the track coaxial cable and antenna:

- (a) Disconnect connector DS34101A from the left ILS G/S antenna switch, S34101.

- (b) Connect the TDR test set at pins A1 and C1 of connector DS34101A at the left ILS G/S antenna switch (WDM 34-31-12).

- (c) Do an electrical check of the coaxial cable and the antenna.

NOTE: The TDR test set has instructions which tell how to do the check of the cable and antenna.

- (d) Disconnect the TDR test set.

- (e) Re-connect connector DS34101A.

- (f) If you find a problem with the coaxial cable, then do these steps:

- 1) Replace the coaxial cable (WDM 34-31-12).
- 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
- 3) If the maintenance message shows on the subsequent flights, then continue.

- (g) If you find a problem with the antenna, do these steps:

- 1) Replace the ILS G/S track antenna.

These are the tasks:

ILS G/S Track Antenna Removal, AMM TASK 34-31-04-000-801,

ILS G/S Track Antenna Installation, AMM TASK 34-31-04-400-801.

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- 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.

————— END OF TASK —————

873. Left MMR Localizer Signal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 22-11555, 22-11585, 22-11595, 22-11615.

B. Initial Evaluation

NOTE: This maintenance message can only occur during flight. When the airplane is on the ground, it is not possible to simulate the conditions which cause this message.

C. Fault Isolation Procedure

- (1) 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.

- (a) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - (b) If the maintenance message shows on the subsequent flights, then continue.
- (2) Replace the left ILS localizer antenna switch, S34102.

These are the tasks:

ILS Localizer Antenna Switch Removal, AMM TASK 34-31-05-000-801,

ILS Localizer Antenna Switch Installation, AMM TASK 34-31-05-400-801.

- (a) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - (b) If the maintenance message shows on the subsequent flights, then continue.
- (3) Replace the left Autopilot/Flight Director Computer (AFDC), 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 maintenance message does not show on the subsequent flights, then you corrected the fault.
 - (b) If the maintenance message shows on the subsequent flights, then continue.
- (4) Do this check of the wiring.
 - (a) Remove the left MMR, M34410. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (b) Disconnect connector DS34102B from the left ILS localizer antenna switch, S34102.
 - (c) Do a wiring check between these pins of connector DM34410AC at the left MMR, M34410 and connector DS34102B at the ILS localizer antenna switch, S34102 (WDM 34-31-13).

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DM34410AC

pin 12 pin A1
pin C12 pin C1

DS34102B

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DS34102B.
 - 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 maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 5) If the maintenance message shows on the subsequent flights, then continue.
- (e) If you do not find a problem with the wiring, then continue:



YOU MUST PUT RF ABSORBENT MATERIAL ON THE ANTENNA BEFORE YOU USE THE TDR TEST SET. YOU CAN DAMAGE THE TEST SET IF A HIGH POWER TRANSMITTER OPERATES WITHIN 500 FEET OF THE ANTENNA.

- (5) Cover the left ILS localizer antenna, M34016, with RF absorbent material.
- (6) Use a time domain reflectometer (TDR) test set to do an electrical check of the coaxial cable and antenna:
 - (a) Disconnect connector DS34102A from the left ILS localizer antenna switch, S34102.
 - (b) Connect the TDR test set at pins A1 and C1 of connector DS34102A at the left ILS localizer antenna switch (WDM 34-31-12).
 - (c) Do an electrical check of the coaxial cable and the antenna.

NOTE: The TDR test set has instructions which tell how to do the check of the cable and antenna.
 - (d) Disconnect the TDR test set.
 - (e) Re-connect connector DS34102A.
 - (f) If you find a problem with the coaxial cable, then do these steps:
 - 1) Replace the coaxial cable (WDM 34-31-12).
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 3) If the maintenance message shows on the subsequent flights, then continue.
 - (g) If you find a problem with the antenna, do these steps:
 - 1) Replace the left ILS localizer antenna,
These are the tasks:
ILS Localizer Antenna Removal, AMM TASK 34-31-02-000-801,
ILS Localizer Antenna Installation, AMM TASK 34-31-02-400-801.
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 3) If the maintenance message shows on the subsequent flights, then continue.

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- (7) Do this check of the wiring.
- (a) Remove the left Autopilot/Flight Director Computer (AFDC), M22101. To remove it, do this task: Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801.
 - (b) Remove the left MMR, M34410. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (c) Do a wiring check between these pins of connector DM22101AC at the left AFDC and connector DM34410AB at the left MMR (WDM 34-31-13).

DM22101AC

pin G2
pin H2

DM34410AB

pin A1
pin B1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left AFDC, M22101. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
 - 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 maintenance message does not show on the subsequent flights, then you corrected the fault.

————— **END OF TASK** —————

874. Center MMR Localizer Signal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 22-11565, 22-11625.

B. Initial Evaluation

NOTE: This maintenance message can only occur during flight. When the airplane is on the ground, it is not possible to simulate the conditions which cause this message.

C. Fault Isolation Procedure

- (1) 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.

- (a) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - (b) If the maintenance message shows on the subsequent flights, then continue.
- (2) Replace the center ILS localizer antenna switch, S34302.

These are the tasks:

ILS Localizer Antenna Switch Removal, AMM TASK 34-31-05-000-801,

ILS Localizer Antenna Switch Installation, AMM TASK 34-31-05-400-801.

- (a) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
- (b) If the maintenance message shows on the subsequent flights, then continue.

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- (3) Replace the center Autopilot/Flight Director Computer (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.

- (a) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
- (b) If the maintenance message shows on the subsequent flights, then continue.
- (4) Do this check of the wiring.
- (a) Remove the center MMR, M34610. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
- (b) Disconnect connector DS34302B from the center ILS localizer antenna switch, S34302.
- (c) Do a wiring check between these pins of connector DM34610AC at the center MMR, M34610 and connector DS34302B at the ILS localizer antenna switch, S34302 (WDM 34-31-33).

DM34610AC

pin 12 pin A1
pin C12 pin C1

DS34302B

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect connector DS34302B.
 - 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 maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 5) If the maintenance message shows on the subsequent flights, then continue.
- (e) If you do not find a problem with the wiring, then continue:



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- (5) Cover the center ILS localizer antenna, M34017, with RF absorbent material.
- (6) Use a time domain reflectometer (TDR) test set to do an electrical check of the coaxial cable and antenna:
- (a) Disconnect connector DS34302A from the center ILS localizer antenna switch, S34302.
- (b) Connect the TDR test set at pins A1 and C1 of connector DS34302A at the center ILS localizer antenna switch (WDM 34-31-32).
- (c) Do an electrical check of the coaxial cable and the antenna.
- NOTE:** The TDR test set has instructions which tell how to do the check of the cable and antenna.
- (d) Disconnect the TDR test set.
- (e) Re-connect connector DS34302A.

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- (f) If you find a problem with the coaxial cable, then do these steps:
 - 1) Replace the coaxial cable (WDM 34-31-12).
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 3) If the maintenance message shows on the subsequent flights, then continue.
- (g) If you find a problem with the antenna, do these steps:
 - 1) Replace the center ILS localizer antenna.
These are the tasks:
ILS Localizer Antenna Removal, AMM TASK 34-31-02-000-801,
ILS Localizer Antenna Installation, AMM TASK 34-31-02-400-801.
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 3) If the maintenance message shows on the subsequent flights, then continue.
- (7) Do this check of the wiring.
 - (a) Remove the center Autopilot/Flight Director Computer (AFDC), M22301. To remove it, do this task: Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801.
 - (b) Remove the center MMR, M34610. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (c) Do a wiring check between these pins of connector DM22301AC at the center AFDC and connector DM34610AB at the center MMR (WDM 34-31-33).

DM22301AC	DM34610AB
pin G2	pin A1
pin H2	pin B1
- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the center AFDC, M22301. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
 - 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 maintenance message does not show on the subsequent flights, then you corrected the fault.

————— **END OF TASK** —————

875. Right MMR Localizer Signal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 22-11575, 22-11605, 22-11635.

B. Initial Evaluation

NOTE: This maintenance message can only occur during flight. When the airplane is on the ground, it is not possible to simulate the conditions which cause this message.

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C. Fault Isolation Procedure

- (1) 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.

- (a) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
- (b) If the maintenance message shows on the subsequent flights, then continue.

- (2) Replace the right ILS localizer antenna switch, S34202.

These are the tasks:

ILS Localizer Antenna Switch Removal, AMM TASK 34-31-05-000-801,

ILS Localizer Antenna Switch Installation, AMM TASK 34-31-05-400-801.

- (a) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
- (b) If the maintenance message shows on the subsequent flights, then continue.

- (3) Replace the right Autopilot/Flight Director Computer (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.

- (a) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
- (b) If the maintenance message shows on the subsequent flights, then continue.

- (4) Do this check of the wiring.

- (a) Remove the right MMR, M34510. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
- (b) Disconnect connector DS34202B from the right ILS localizer antenna switch, S34202.
- (c) Do a wiring check between these pins of connector DM34510AC at the right MMR, M34510 and connector DS34202B at the ILS localizer antenna switch, S34202 (WDM 34-31-23).

DM34510AC

DS34202B

pin 12 pin A1

pin C12 pin C1

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

- 1) Repair the wiring.
- 2) Re-connect connector DS34202B.
- 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 maintenance message does not show on the subsequent flights, then you corrected the fault.
- 5) If the maintenance message shows on the subsequent flights, then continue.

- (e) If you do not find a problem with the wiring, then continue:

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YOU MUST PUT RF ABSORBENT MATERIAL ON THE ANTENNA BEFORE YOU USE THE TDR TEST SET. YOU CAN DAMAGE THE TEST SET IF A HIGH POWER TRANSMITTER OPERATES WITHIN 500 FEET OF THE ANTENNA.

- (5) Cover the right ILS localizer antenna, M34017, with RF absorbent material.
- (6) Use a time domain reflectometer (TDR) test set to do an electrical check of the coaxial cable and antenna:
 - (a) Disconnect connector DS34202A from the right ILS localizer antenna switch, S34202.
 - (b) Connect the TDR test set at pins A1 and C1 of connector DS34202A at the right ILS localizer antenna switch (WDM 34-31-22).
 - (c) Do an electrical check of the coaxial cable and the antenna.

NOTE: The TDR test set has instructions which tell how to do the check of the cable and antenna.
 - (d) Disconnect the TDR test set.
 - (e) Re-connect connector DS34202A.
 - (f) If you find a problem with the coaxial cable, then do these steps:
 - 1) Replace the coaxial cable (WDM 34-31-22).
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 3) If the maintenance message shows on the subsequent flights, then continue.
 - (g) If you find a problem with the antenna, do these steps:
 - 1) Replace the right ILS localizer antenna.

These are the tasks:
ILS Localizer Antenna Removal, AMM TASK 34-31-02-000-801,
ILS Localizer Antenna Installation, AMM TASK 34-31-02-400-801.
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 3) If the maintenance message shows on the subsequent flights, then continue.
- (7) Do this check of the wiring.
 - (a) Remove the right Autopilot/Flight Director Computer (AFDC), M22201. To remove it, do this task: Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801.
 - (b) Remove the right MMR, M34510. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (c) Do a wiring check between these pins of connector DM22201AC at the right AFDC and connector DM34510AB at the right MMR (WDM 34-31-23).

DM22201AC	DM34510AB
pin G2	pin A1
pin H2	pin B1

 - (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 right AFDC, M22201. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
- 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 maintenance message does not show on the subsequent flights, then you corrected the fault.

————— END OF TASK —————

876. Multiple Localizer Receiver Signal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 22-11640.

B. Initial Evaluation

NOTE: This maintenance message can only occur during flight. When the airplane is on the ground, it is not possible to simulate the conditions which cause this message.

C. Fault Isolation Procedure

- (1) To help isolate the fault, you can do the ILS system test. To do the system test, do this task: Instrument Landing System - System Test, AMM TASK 34-31-00-730-801.
 - (a) If you find a problem with the ILS system, then repair the problem.
 - 1) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 2) If the maintenance message shows on the subsequent flights, then continue.
 - (b) If you do not find a problem with the ILS system, then continue.
- (2) To help isolate the fault, you can do the autopilot/flight director computer (AFDC) system test. To do the system test, do this task: ILS Interface - System Test, AMM TASK 22-11-00-730-808.
 - (a) If you find a problem with the AFDC system, then repair the problem.
 - 1) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 2) If the maintenance message shows on the subsequent flights, then continue.
 - (b) If you do not find a problem with the AFDC system, then continue.
- (3) Localizer beam disturbance:
 - (a) Do a check of the Localizer signal transmitted from the ground station.
 - 1) Make sure the ILS localizer antennas are not blocked from receiving the localizer signal transmitted from the ground station.
 - 2) Make sure the localizer signal transmitted from the ground station is the correct frequency and amplitude.
 - (b) If you find a problem with the transmitted signal, then do these steps:
 - 1) Repair the signal problem.
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.

————— END OF TASK —————

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877. Left MMR Tune Inhibit Signal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 22-13536.

B. Initial Evaluation

- (1) If the MAT shows 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 test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (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 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.

- (a) Do this ground test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (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 left Autopilot/Flight Director Computer (AFDC), 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) Do this ground test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (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 a this check of the wiring:
 - (a) Remove the left AFDC, M22101. To remove it, do this task: Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801.
 - (b) Remove the left MMR, M34410. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (c) Do a wiring check between these pins of connector DM22101AC at the left AFDC and connector DM34110AB at the left MMR (WDM 34-31-13).

DM22101AC	DM34110AB
pin D10	pin F15
- (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 left AFDC, M22101. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
- 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) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
- 5) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

878. Center MMR Tune Inhibit Signal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 22-13537.

B. Initial Evaluation

- (1) If the MAT shows 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 test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (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 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.

- (a) Do this ground test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (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 center Autopilot/Flight Director Computer (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.

 - (a) Do this ground test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (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 a this check of the wiring:

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- (a) Remove the center AFDC, M22301. To remove it, do this task: Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801.
- (b) Remove the center MMR, M34610. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
- (c) Do a wiring check between these pins of connector DM22301AC at the center AFDC and connector DM34310AB at the center (WDM 34-31-33).

DM22301AC

pin D10

DM34610AB

pin F15

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the center AFDC, M22301. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
 - 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) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - 5) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

879. Right MMR Tune Inhibit Signal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 22-13538.

B. Initial Evaluation

- (1) If the MAT shows 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 test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - (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 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.

- (a) Do this ground test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
- (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.

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- (2) Replace the right Autopilot/Flight Director Computer (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.

- (a) Do this ground test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
- (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 a this check of the wiring:
- (a) Remove the right AFDC, M22201. To remove it, do this task: Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801.
- (b) Remove the right MMR, M34510. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
- (c) Do a wiring check between these pins of connector DM22201AC at the right AFDC and connector DM34210AB at the right MMR (WDM 34-31-23).

DM22201AC

DM34210AB

pin D10 pin F15

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the right AFDC, M22201. To install it, do this task: Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
 - 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) Do this test on the MAT: 22 Autopilot Flight Director Computer System, System Test, ILS Interface.
 - 5) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

880. Left MMR Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 22-11465.

B. Fault Isolation Procedure

- (1) 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.

- (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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881. Center MMR Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 22-11475.

B. Fault Isolation Procedure

- (1) 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.

- (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. Right MMR Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 22-11485.

B. Fault Isolation Procedure

- (1) 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.

- (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 —————

883. Amber Struck Through ILS Frequency Fault Display - Fault Isolation

A. Initial Evaluation

NOTE: This fault shows as "----/---" for localizer display and the ILS course display. This dashed ILS Localizer or Identifier and ILS Course display will be shown on the PFD when the ILS Localizer Frequency and the ILS Course data is NCD (No Computed Data) from the ILS source.

B. Fault Isolation Procedure

- (1) To help isolate the fault, check the ILS tuning frequencies to make sure they are consistent.
 - (a) If you find a disagreement of the tuned ILS frequencies, then correct the problem.
 - (b) If you do not find a disagreement of the tuned ILS frequencies, then continue.
- (2) To help isolate the fault, you can do the ILS system test. To do the system test, do this task: Instrument Landing System - System Test, AMM TASK 34-31-00-730-801.
 - (a) If you find a problem with the ILS system, then repair the problem.

————— END OF TASK —————

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884. SINGLE SOURCE ILS with No Correlated Maintenance Message - Fault Isolation

A. Initial Evaluation

- (1) If the SINGLE SOURCE ILS EICAS caution message appears intermittent at cruise altitude or a flight phase where ILS is not used, and there is no correlated maintenance message, the condition is considered a nuisance condition.
- (2) Confirm that there are no correlated maintenance messages to the occurrence of the SINGLE SOURCE ILS EICAS message.

B. Fault Isolation Procedure

- (1) Select the Inbound Flight Deck Effects option on the Central Maintenance Computer Function, "Line Maintenance" menu.
 - (a) If the SINGLE SOURCE ILS caution message is not shown, then there is no maintenance message correlated, and there is no maintenance action.

———— **END OF TASK** ————

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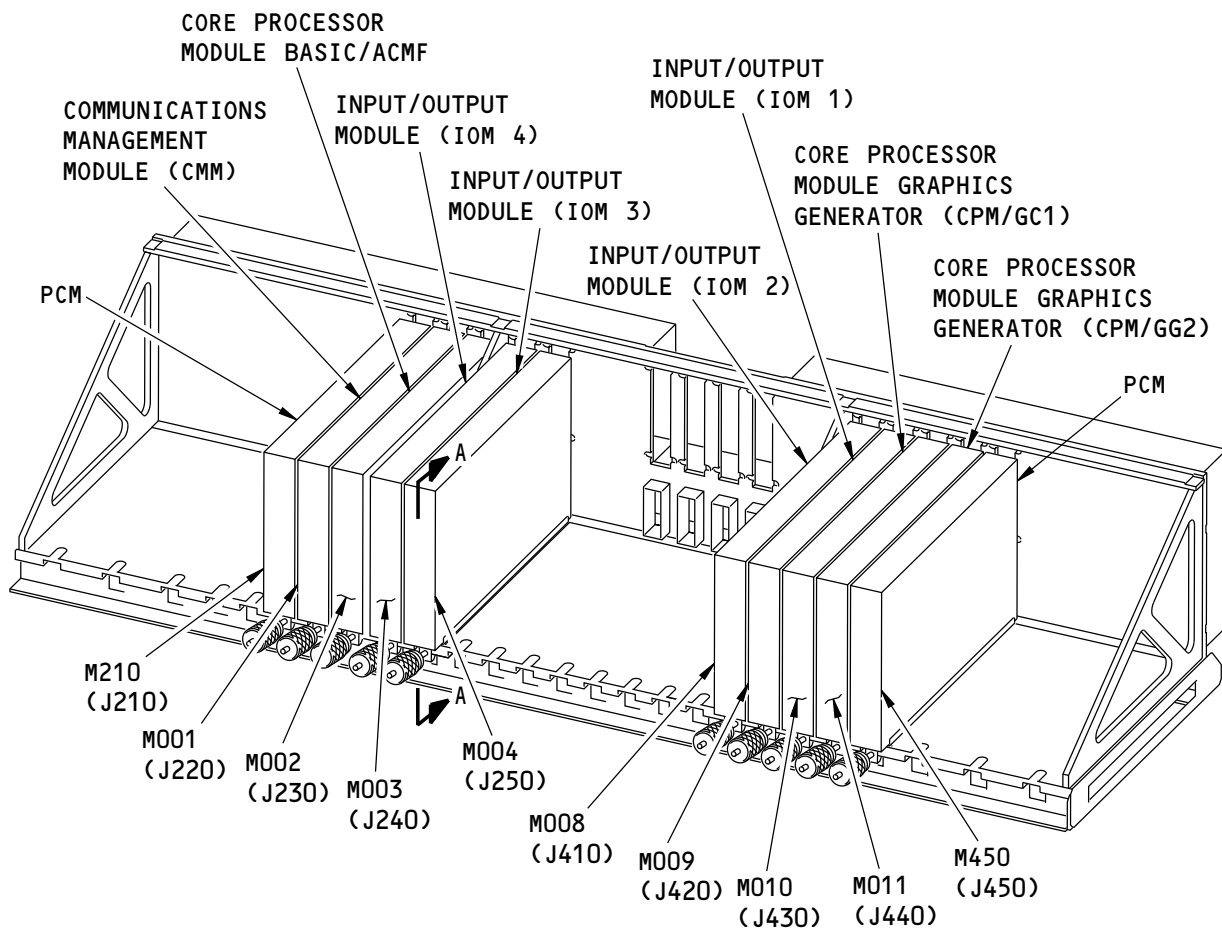
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ELECTRONIC EQUIPMENT RACK

2178748 S0000480931_V1

Airplane Information Management System (AIMS) Overview
Figure 301/34-31-00-990-801 (Sheet 1 of 2)

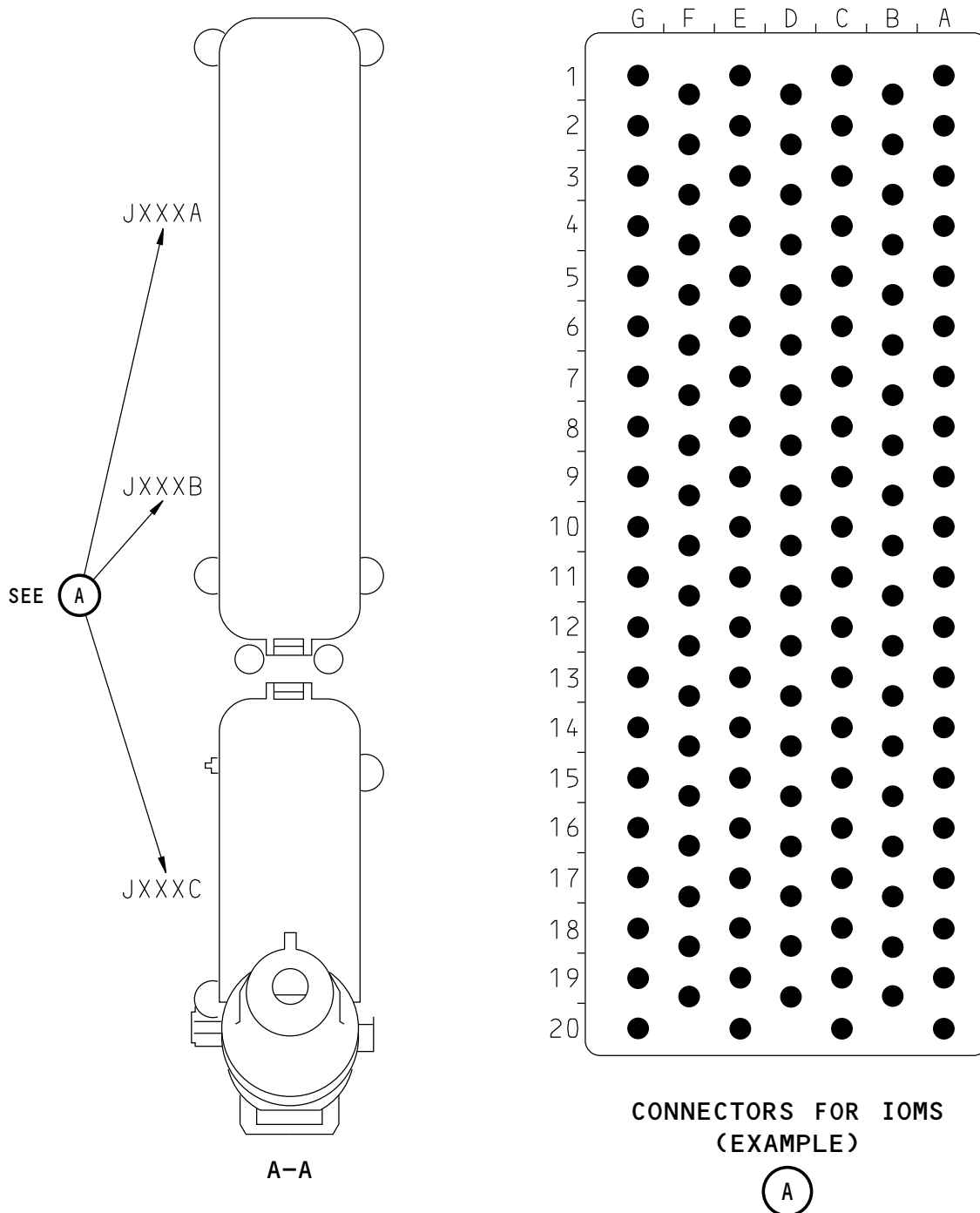
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NOTE: XXX = CONNECTOR NUMBER

2179065 S0000481152_V1

Airplane Information Management System (AIMS) Overview
Figure 301/34-31-00-990-801 (Sheet 2 of 2)

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801. Left VOR/MB Receiver MB Function Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-47021.

B. Fault Isolation Procedure

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

————— END OF TASK —————

802. Marker Beacon Audio Tone Problems - Fault Isolation

A. Fault Isolation Procedure

- (1) Replace the 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.

- (a) If the audio tone is normal during the test, then it was an intermittent fault.
 - (b) If the audio tone is weak or does not occur during the test, then continue.
- (2) Replace the audio management unit (AMU), 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.
- (a) Do this task: Marker Beacon System - System Test, AMM TASK 34-32-00-730-801.
 - 1) If the audio tone is normal during the test, then you corrected the fault.
 - 2) If the audio tone does not occur during the test, then continue.
- (3) Replace the Marker Beacon Antenna, M34023.

These are the tasks:

Marker Beacon Antenna Removal, AMM TASK 34-32-01-000-801,

Marker Beacon Antenna Installation, AMM TASK 34-32-01-400-801.

- (a) Do this task: Marker Beacon System - System Test, AMM TASK 34-32-00-730-801.
 - 1) If the audio tone is normal during the test, then you corrected the fault.
 - 2) If the audio tone does not occur during the test, then continue.
- (4) 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) Remove the AMU, M23008. To remove it, do this task: Audio Management Unit (AMU) Removal, AMM TASK 23-51-04-000-801.

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- (c) Do a wiring check between these pins of connector DM23008AB at the AMU, M23008, on the E1-4 shelf and connector DM34115AB at the left VOR/MB receiver (WDM 34-51-11).

DM23008AB

pin G15

pin G14

DM34115AB

pin C4

pin D4

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the AMU, M23008. To install it, do this task: Audio Management Unit (AMU) Installation, AMM TASK 23-51-04-400-801.
 - 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.
- (5) Do this task: Marker Beacon System - System Test, AMM TASK 34-32-00-730-801.
- (a) If the audio tone is normal during the test, then you corrected the fault.

————— **END OF TASK** —————

803. No Marker Beacon Indication on PFDs, No Audio Tone or is Weak - Fault Isolation

A. Initial Evaluation

- (1) Look at the Extended Maintenance, Existing Faults display on the MAT.
- (a) If a maintenance message related to the VOR/MB receiver shows in the 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.
- (2) If a maintenance message related to the VOR/MB receiver does not show in Existing Faults, then there was an intermittent fault.

————— **END OF TASK** —————

804. No Marker Beacon Indication on PFDs, Audio Tone Normal - Fault Isolation

A. Initial Evaluation

- (1) Look at the Extended Maintenance, Existing Faults display on the MAT.
- (a) If a maintenance message related to the AIMS System shows in the 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.
- (2) If a maintenance message related to the AIMS System does not show in Existing Faults, then there was an intermittent fault.

————— **END OF TASK** —————

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801. Radio Altimeter Transceiver Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 34-42011, 34-42012, 34-42013, 34-42801, 34-42802, 34-42803.

B. Fault Isolation Procedure

- (1) Replace the applicable radio altimeter transceiver, M34112, M34212 or 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.

- (a) 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. Left Radio Altimeter Receive Antenna Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-42021.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Remove the left radio altimeter transceiver, M34112 (Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801).
- (2) Remove the left radio altimeter receive antenna, M34114 (Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801).
- (3) Do a continuity check of the left receive antenna cable (WDM 34-33-11).
 - (a) For an open or short circuit, replace the antenna cable.
- (4) Do a continuity check of the left receive antenna (WDM 34-33-11).
 - (a) For an open circuit, replace the left radio altimeter receive antenna (Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801).
 - (b) For a short circuit, install the removed antenna (Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801).
- (5) Install the left radio altimeter transceiver, M34112 (Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801).
- (6) Do the Radio Altimeter System - Operational Test, AMM TASK 34-33-00-710-801.

————— END OF TASK —————

803. RA Transceiver-L No Output on Altitude-1 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-42891.

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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 radio altimeter 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 radio altimeter transceiver, M34112. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
 - (b) Remove the IOM (M004) module from the left AIMS cabinet, M31101. 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 J250-A at the left AIMS cabinet on the E3-1 shelf and connector DM34112AB at the left radio altimeter transceiver on the E5-4 shelf (WDM 34-33-12).

J250-A

pin A12

pin B12

DM34112AB

pin B2

pin B3

- (d) If you find a problem with the wiring, do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left radio altimeter transceiver, M34112. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
 - 3) Re-install the IOM (M004) module. 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** —————

804. RA Transceiver-C No Output on Altitude-1 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-42892.

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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 center radio altimeter 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 radio altimeter transceiver, M34312. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
 - (b) Remove the IOM (M004) module from the left AIMS cabinet, M31101. 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 J250-A at the left AIMS cabinet on the E3-1 shelf and connector DM34312AB at the center radio altimeter transceiver on the E5-3 shelf (WDM 34-33-32).

J250-A

pin A11

pin B11

DM34312AB

pin B2

pin B3

- (d) If you find a problem with the wiring, do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the center radio altimeter transceiver, M34312. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
 - 3) Re-install the IOM (M004) module. 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** —————

805. RA Transceiver-R No Output on Altitude-1 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-42893.

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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 radio altimeter 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 radio altimeter transceiver, M34212. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
 - (b) Remove the IOM (M009) module from the left AIMS cabinet, M31101. 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-B at the left AIMS cabinet on the E3-1 shelf and connector DM34212AB at the right radio altimeter transceiver on the E5-2 shelf (WDM 34-33-22).

J420-B

pin A7

pin B7

DM34212AB

pin B2

pin B3

- (d) If you find a problem with the wiring, do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right radio altimeter transceiver, M34212. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
 - 3) Re-install the IOM (M009) module. 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** —————

806. RA Transceiver-L No Output on Altitude-2 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-42894.

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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 radio altimeter 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 radio altimeter transceiver, M34112. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
 - (b) Remove the ground proximity warning computer, 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 DM34112AB at the E5-4 shelf and connector DM34004AB at the E1-4 shelf (WDM 34-33-12).
- | DM34112AB | DM34004AB |
|------------------|-----------|
| pin G3 | pin B13 |
| pin G2 | pin A13 |
- (d) If you find a problem with the wiring, do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left radio altimeter transceiver, M34112. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
 - 3) Re-install the ground proximity warning computer, 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.

————— **END OF TASK** —————

807. RA Transceiver-R No Output on Altitude-2 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-42896.

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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 radio altimeter 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 radio altimeter transceiver, M34212. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
 - (b) Remove the ground proximity warning computer, 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 DM34212AB at the E5-2 shelf and connector DM34004AA at the E1-4 shelf (WDM 34-33-22).
- | | |
|------------------|------------------|
| DM34212AB | DM34004AA |
| pin G3 | pin B8 |
| pin G2 | pin A8 |
- (d) If you find a problem with the wiring, do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right radio altimeter transceiver, M34212. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
 - 3) Re-install the ground proximity warning computer, 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.

————— **END OF TASK** —————

808. RA Transceiver-L No Input on CMC Remote Test 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49910.

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B. Initial Evaluation

NOTE: No maintenance action is necessary unless you cannot use the CMC to do a test of the radio altimeter (this is a nuisance message).

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 radio altimeter 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 radio altimeter transceiver, M34112. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
 - (b) Remove the IOM (M009) module from the left AIMS cabinet, M31101. 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 and connector DM34112AB at the E5-4 shelf (WDM 45-45-11).

J420-A

pin F11

pin G12

DM34112AB

pin A1

pin A2

- (d) If you find a problem with the wiring, do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left radio altimeter transceiver, M34112. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
 - 3) Re-install the IOM (M009) module. 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** —————

809. **RA Transceiver-C No Input on CMC Remote Test 429 Bus - Fault Isolation**

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49911.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 radio altimeter 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 radio altimeter transceiver, M34312. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
 - (b) Remove the IOM (M008) module from the left AIMS cabinet, M31101. 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 J410-A at the left AIMS cabinet on the E3-1 shelf and connector DM34312AB at the E5-3 shelf (WDM 45-45-31).

J410-A

pin F11
pin G12

DM34312AB

pin A1
pin A2

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

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- 1) Repair the wiring.
- 2) Re-install the center radio altimeter transceiver, M34312. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
- 3) Re-install the IOM (M008) module. 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 —————

810. RA Transceiver-R No Input on CMC Remote Test 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49912.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 radio altimeter 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.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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.
These are the tasks:
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (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 radio altimeter transceiver, M34212. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
 - (b) Remove the IOM (M004) module from the left AIMS cabinet, M31101. 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 J250-A at the left AIMS cabinet on the E3-1 shelf and connector DM34212AB at the E5-2 shelf (WDM 45-45-21).

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J250-A

pin F11 pin A1
pin G12 pin A2

DM34212AB

- (d) If you find a problem with the wiring, do these steps:
- 1) Repair the wiring.
 - 2) Re-install the right radio altimeter transceiver, M34212. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
 - 3) Re-install the IOM (M004) module. 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 —————

811. RA Transceiver-C altitude signal differs from L and R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 22-11870, 22-11910.

B. Initial Evaluation

- (1) If the MAT shows 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: 22 Autopilot Flight Director Computers (Autopilot Flight Director Computers - System Test, AMM TASK 22-11-00-730-802).
- (a) If the maintenance message does not show on the ground test display, then there was an intermittent fault.
- (b) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.

C. Fault Isolation Procedure

- (1) Remove the center radio altimeter transceiver, M34312 (Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801).
- (2) Measure the resistance between the receive antenna cable center conductor and antenna cable shield, connector DM34312AA pins 71 and C71.
- (a) Do this step if the resistance is greater than 2 ohms: Replace the center radio altimeter receive antenna, M34314.
- These are the tasks:
- Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801,
Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801.
- (b) If the resistance is less than or equal to 2 ohms, continue the fault isolation procedure.
- (3) Measure the resistance between the transmit antenna cable center conductor and antenna cable shield, connector DM34312AB pins 71 and C71.
- (a) Do this step if the resistance is greater than 2 ohms: Replace the center radio altimeter transmit antenna, M34313.

These are the tasks:

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Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801,
Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801.

- (b) If the resistance is less than or equal to 2 ohms, continue the fault isolation procedure.
- (4) Do these radio altimeter transceiver wiring checks.
 - (a) Make sure the 80-foot AID program pin F3 is connected to common pin F2 on connector DM34312AB (WDM 34-33-31).
 - 1) If you find a problem, repair the wiring.
 - (b) Make sure the system select program pin C6 is connected to common pin C5 on connector DM34312AB (WDM 34-33-31).
 - 1) If you find a problem, repair the wiring.
- (5) Remove the center Autopilot/Flight Director Computer (AFDC), M22301 (Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801).
 - (a) Do a wiring check between these pins of connector DM34312AB at the center radio altimeter transceiver, M34312 and connector DM22301AC at the center Autopilot/Flight Director Computer (AFDC), M22301 (WDM 34-33-32).

DM34312AB

pin B2
pin B3

DM22301AC

pin F1
pin G1

- 1) If you find a problem, repair the wiring.
- (6) Install the center Autopilot/Flight Director Computer (AFDC), M22301 (Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801).
- (7) Install the center radio altimeter transceiver, M34312 Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
- (8) Do this ground test on the MAT: 22 Autopilot Flight Director Computers (Autopilot Flight Director Computers - System Test, AMM TASK 22-11-00-730-802).
 - (a) If the maintenance message shows on the ground test display, then continue.
- (9) Replace the center radio altimeter 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.

 - (a) Do this ground test on the MAT: 22 Autopilot Flight Director Computers (Autopilot Flight Director Computers - System Test, AMM TASK 22-11-00-730-802).
 - (b) If the maintenance message shows on the ground test display, then continue.
- (10) Replace the center Autopilot/Flight Director Computer (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.

 - (a) Do this ground test on the MAT: 22 Autopilot Flight Director Computers (Autopilot Flight Director Computers - System Test, AMM TASK 22-11-00-730-802Autopilot Flight Director Computers - System Test, AMM TASK 22-11-00-730-802).

————— END OF TASK —————

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812. Center Radio Altimeter Receive Antenna Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-42022.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Remove the center radio altimeter transceiver, M34312 (Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801).
- (2) Remove the center radio altimeter receive antenna, M34314 (Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801).
- (3) Do a continuity check of the center receive antenna cable (WDM 34-33-31).
 - (a) For an open or short circuit, replace the antenna cable.
- (4) Do a continuity check of the center receive antenna (WDM 34-33-31).
 - (a) For an open circuit, replace the center radio altimeter receive antenna (Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801).
 - (b) For a short circuit, install the removed antenna (Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801).
- (5) Install the center radio altimeter transceiver, M34312 (Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801).
- (6) Do the Radio Altimeter System - Operational Test, AMM TASK 34-33-00-710-801.

————— **END OF TASK** —————

813. Right Radio Altimeter Receive Antenna Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-42023.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Remove the right radio altimeter transceiver, M34212 (Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801).
- (2) Remove the right radio altimeter receive antenna, M34214 (Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801).
- (3) Do a continuity check of the right receive antenna cable (WDM 34-33-21).
 - (a) For an open or short circuit, replace the antenna cable.
- (4) Do a continuity check of the right receive antenna (WDM 34-33-21).

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- (a) For an open circuit, replace the right radio altimeter receive antenna (Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801).
- (b) For a short circuit, install the removed antenna (Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801).
- (5) Install the right radio altimeter transceiver, M34212 (Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801).
- (6) Do the Radio Altimeter System - Operational Test, AMM TASK 34-33-00-710-801.

————— **END OF TASK** —————

814. Left Radio Altimeter Transmit Antenna Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-42031.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Remove the left radio altimeter transceiver, M34112 (Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801).
- (2) Remove the left radio altimeter transmit antenna, M34113 (Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801).
- (3) Do a continuity check of the left transmit antenna cable (WDM 34-33-11).
 - (a) For an open or short circuit, replace the antenna cable.
- (4) Do a continuity check of the left transmit antenna (WDM 34-33-11).
 - (a) For an open circuit, replace the left radio altimeter transmit antenna (Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801).
 - (b) For a short circuit, install the removed antenna (Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801).
- (5) Install the left radio altimeter transceiver, M34112 (Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801).
- (6) Do the Radio Altimeter System - Operational Test, AMM TASK 34-33-00-710-801.

————— **END OF TASK** —————

815. Center Radio Altimeter Transmit Antenna Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-42032.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, 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) Remove the center radio altimeter transceiver, M34312 (Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801).
- (2) Remove the center radio altimeter transmit antenna, M34313 (Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801).
- (3) Do a continuity check of the center transmit antenna cable (WDM 34-33-31).
 - (a) For an open or short circuit, replace the antenna cable.
- (4) Do a continuity check of the center transmit antenna (WDM 34-33-31).
 - (a) For an open circuit, replace the center radio altimeter transmit antenna (Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801).
 - (b) For a short circuit, install the removed antenna (Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801).
- (5) Install the center radio altimeter transceiver, M34312 (Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801).
- (6) Do the Radio Altimeter System - Operational Test, AMM TASK 34-33-00-710-801.

————— END OF TASK —————

816. Right Radio Altimeter Transmit Antenna Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-42033.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Remove the right radio altimeter transceiver, M34212 (Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801).
- (2) Remove the right radio altimeter transmit antenna, M34213 (Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801).
- (3) Do a continuity check of the right transmit antenna cable (WDM 34-33-21).
 - (a) For an open or short circuit, replace the antenna cable.
- (4) Do a continuity check of the right transmit antenna (WDM 34-33-21).
 - (a) For an open circuit, replace the right radio altimeter transmit antenna (Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801).
 - (b) For a short circuit, install the removed antenna (Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801).
- (5) Install the right radio altimeter transceiver, M34212 (Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801).
- (6) Do the Radio Altimeter System - Operational Test, AMM TASK 34-33-00-710-801.

————— END OF TASK —————

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817. RA Transceiver-L altitude signal differs from C and R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 22-11860, 22-11900.

B. Initial Evaluation

- (1) If the MAT shows 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: 22 Autopilot Flight Director Computers (Autopilot Flight Director Computers - System Test, AMM TASK 22-11-00-730-802).
 - (a) If the maintenance message does not show on the ground test display, then there was an intermittent fault.
 - (b) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.

C. Fault Isolation Procedure

- (1) Remove the left radio altimeter transceiver, M34112 (Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801).
- (2) Measure the resistance between the receive antenna cable center conductor and antenna cable shield, connector 112AA pins 71 and C71.
 - (a) Do this step if the resistance is greater than 2 ohms: Replace the left radio altimeter receive antenna, M34114.

These are the tasks:

Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801,
Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801.
 - (b) If the resistance is less than or equal to 2 ohms, continue the fault isolation procedure.
- (3) Measure the resistance between the transmit antenna cable center conductor and antenna cable shield, connector DM34112AB pins 71 and C71.
 - (a) Do this step if the resistance is greater than 2 ohms: Replace the left radio altimeter transmit antenna, M34113.

These are the tasks:

Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801,
Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801.
 - (b) If the resistance is less than or equal to 2 ohms, continue the fault isolation procedure.
- (4) Do these radio altimeter transceiver wiring checks.
 - (a) Make sure the 80-foot AID program pin F3 is connected to common pin F2 on connector DM34112AB (WDM 34-33-11).
 - 1) If you find a problem, repair the wiring.
 - (b) Make sure the system select program pin B5 is connected to common pin C5 on connector DM34112AB (WDM 34-33-11).
 - 1) If you find a problem, repair the wiring.
- (5) Remove the left Autopilot/Flight Director Computer (AFDC), M22101 Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801.

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- (a) Do a wiring check between these pins of connector DM34112AB at the left radio altimeter transceiver, M34112 and connector DM22101AC at the left Autopilot/Flight Director Computer (AFDC), M22101 (WDM 34-33-12).

DM34112AB

pin B2
pin B3

DM22101AC

pin F1
pin G1

- 1) If you find a problem, repair the wiring.
- (6) Install the left Autopilot/Flight Director Computer (AFDC), M22101 Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
- (7) Install the left radio altimeter transceiver, M34112 Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
- (8) Do this ground test on the MAT: 22 Autopilot Flight Director Computers (Autopilot Flight Director Computers - System Test, AMM TASK 22-11-00-730-802).
- (a) If the maintenance message shows on the ground test display, then continue.
- (9) Replace the left radio altimeter 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.
- (a) Do this ground test on the MAT: 22 Autopilot Flight Director Computers (Autopilot Flight Director Computers - System Test, AMM TASK 22-11-00-730-802).
- (b) If the maintenance message shows on the ground test display, then continue.
- (10) Replace the left Autopilot/Flight Director Computer (AFDC), 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) Do this ground test on the MAT: 22 Autopilot Flight Director Computers (Autopilot Flight Director Computers - System Test, AMM TASK 22-11-00-730-802).

————— **END OF TASK** —————

818. RA Transceiver-R altitude signal differs from C and L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 22-11880, 22-11890.

B. Initial Evaluation

- (1) If the MAT shows 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: 22 Autopilot Flight Director Computers (Autopilot Flight Director Computers - System Test, AMM TASK 22-11-00-730-802).
- (a) If the maintenance message does not show on the ground test display, then there was an intermittent fault.
- (b) If the maintenance message shows on the ground test display, then do the Fault Isolation Procedure below.

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C. Fault Isolation Procedure

- (1) Remove the right radio altimeter transceiver, M34212 (Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801).
- (2) Measure the resistance between the receive antenna cable center conductor and antenna cable shield, connector DM34212AA pins 71 and C71.
 - (a) Do this step if the resistance is greater than 2 ohms: Replace the right radio altimeter receive antenna, M34214.

These are the tasks:

Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801,
Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801.
 - (b) If the resistance is less than or equal to 2 ohms, continue the fault isolation procedure.
- (3) Measure the resistance between the transmit antenna cable center conductor and antenna cable shield, connector DM34212AB pins 71 and C71.
 - (a) Do this step if the resistance is greater than 2 ohms: Replace the right radio altimeter transmit antenna, M34213.

These are the tasks:

Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801,
Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801.
 - (b) If the resistance is less than or equal to 2 ohms, continue the fault isolation procedure.
- (4) Do these radio altimeter transceiver wiring checks.
 - (a) Make sure the 80-foot AID program pin F3 is connected to common pin F2 on connector DM34212AB (WDM 34-33-21).
 - 1) If you find a problem, repair the wiring.
 - (b) Make sure the system select program pin B6 is connected to common pin C5 on connector DM34212AB (WDM 34-33-21).
 - 1) If you find a problem, repair the wiring.
- (5) Remove the right Autopilot/Flight Director Computer (AFDC), M22201 Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801.
 - (a) Do a wiring check between these pins of connector DM34212AB at the right radio altimeter transceiver, M34212 and connector DM22201AC at the right Autopilot/Flight Director Computer (AFDC), M22201 (WDM 34-33-22).

DM34212AB	DM22201AC
pin B2	pin F1
pin B3	pin G1

 - 1) If you find a problem, repair the wiring.
- (6) Install the right Autopilot/Flight Director Computer (AFDC), M22201 Autopilot Flight Director Computer Installation, AMM TASK 22-11-01-400-801.
- (7) Install the right radio altimeter transceiver, M34212 Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
- (8) Do this ground test on the MAT: 22 Autopilot Flight Director Computers (Autopilot Flight Director Computers - System Test, AMM TASK 22-11-00-730-802).
 - (a) If the maintenance message shows on the ground test display, then continue.

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- (9) Replace the right radio altimeter 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.
- (a) Do this ground test on the MAT: 22 Autopilot Flight Director Computers (Autopilot Flight Director Computers - System Test, AMM TASK 22-11-00-730-802).
- (b) If the maintenance message shows on the ground test display, then continue.
- (10) Replace the right Autopilot/Flight Director Computer (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.
- (a) Do this ground test on the MAT: 22 Autopilot Flight Director Computers (Autopilot Flight Director Computers - System Test, AMM TASK 22-11-00-730-802Autopilot Flight Director Computers - System Test, AMM TASK 22-11-00-730-802).

— END OF TASK —

819. Left RA Transceiver Altitude Signal Invalid In Approach Problem - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 22-11920.

B. Initial Evaluation

NOTE: This maintenance message can only occur during flight. When the airplane is on the ground, it is not possible to simulate the conditions which cause this message.

C. Fault Isolation Procedure

- (1) Replace the left radio altimeter 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.
- (a) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
- (b) If the maintenance message shows on the subsequent flights, then continue.
- (2) Replace the left Autopilot/Flight Director Computer (AFDC), 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 maintenance message does not show on the subsequent flights, then you corrected the fault.
- (b) If the maintenance message shows on the subsequent flights, then continue.
- (3) Do this check of the wiring.
- (a) Remove the left radio altimeter transceiver, M34112. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
- (b) Disconnect connector DM22101AC from the left autopilot/flight director computer (AFDC), M22101.

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- (c) Do a wiring check between these pins of connector DM34112AB at the left radio altimeter transceiver, M34112 and connector DM22101AC at the left autopilot/flight director computer, M22101 (WDM 34-33-12).

DM34112AB

pin B2
pin B3

DM22101AC

pin F1
pin G1

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect the left autopilot/flight director computer connector, DM22101AC.
 - 3) Re-install the left radio altimeter transceiver, M34112. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
 - 4) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 5) If the maintenance message shows on the subsequent flights, then continue.
- (e) If you do not find a problem with the wiring, then continue.



YOU MUST PUT RF ABSORBENT MATERIAL ON THE ANTENNA BEFORE YOU USE THE TDR TEST SET. YOU CAN DAMAGE THE TEST SET IF A HIGH POWER TRANSMITTER OPERATES WITHIN 500 FEET OF THE ANTENNA.

- (4) Cover the left radio altimeter receive antenna, M34114, with RF absorbent material.
- (5) Use a time domain reflectometer (TDR) test set to do an electrical check of the coaxial cable and antenna:
- (a) Disconnect connector DM34112AA from the left radio altimeter transceiver, M34112.
 - (b) Connect the TDR test set at pins C71 and 71 of connector DM34112AA at the left radio altimeter transceiver (WDM 34-33-11).
 - (c) Do an electrical check of the coaxial cable and the antenna.
NOTE: The TDR test set has instructions which tell how to do the check of the cable and antenna.
 - (d) Disconnect the TDR test set.
 - (e) Re-connect connector DM34112AA.
 - 1) Do not rotate the antenna.
NOTE: Do not rotate the antenna. Connect the coax cable connector to the antenna, use hand tightens only. Do not over-tightening the LRRA antenna coax connector, this can damage the antenna and coax connector.
 - (f) If you find a problem with the coaxial cable, then do these steps:
 - 1) Replace the coaxial cable (WDM 34-33-11).
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 3) If the maintenance message shows on the subsequent flights, then continue.
 - (g) If you find a problem with the antenna, then do these steps:
 - 1) Replace the left radio altimeter receive antenna, M34114.

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These are the tasks:

Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801,
Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801.

- 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
- 3) If the maintenance message shows on the subsequent flights, then continue.
- (h) If you do not find a problem with the coaxial cable or the antenna, then continue:



YOU MUST PUT RF ABSORBENT MATERIAL ON THE ANTENNA BEFORE YOU USE THE TDR TEST SET. YOU CAN DAMAGE THE TEST SET IF A HIGH POWER TRANSMITTER OPERATES WITHIN 500 FEET OF THE ANTENNA.

- (6) Cover the left radio altimeter transmit antenna, M34113, with RF absorbent material.
- (7) Use a time domain reflectometer (TDR) test set to do an electrical check of the coaxial cable and antenna:
 - (a) Disconnect connector DM34112AB from the left radio altimeter transceiver, M34112.
 - (b) Connect the TDR test set at pins C71 and 71 of connector DM34112AB at the left radio altimeter transceiver (WDM 34-33-11).
 - (c) Do an electrical check of the coaxial cable and the antenna.

NOTE: The TDR test set has instructions which tell how to do the check of the cable and antenna.
 - (d) Disconnect the TDR test set.
 - (e) Re-connect connector DM34112AB.
 - 1) Do not rotate the antenna.

NOTE: Do not rotate the antenna. Connect the coax cable connector to the antenna, use hand tightens only. Do not over-tightening the LRR antenna coax connector, this can damage the antenna and coax connector.
 - (f) If you find a problem with the coaxial cable, then do these steps:
 - 1) Replace the coaxial cable (WDM 34-33-11).
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 3) If the maintenance message shows on the subsequent flights, then continue.
 - (g) If you find a problem with the antenna, then do these steps:
 - 1) Replace the left radio altimeter transmit antenna, M34113.

These are the tasks:
Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801,
Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801.
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.

————— **END OF TASK** —————

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820. Center RA Transceiver Altitude Signal Invalid In Approach Problem - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 22-11930.

B. Initial Evaluation

NOTE: This maintenance message can only occur during flight. When the airplane is on the ground, it is not possible to simulate the conditions which cause this message.

C. Fault Isolation Procedure

- (1) Replace the center radio altimeter 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.

- (a) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
- (b) If the maintenance message shows on the subsequent flights, then continue.
- (2) Replace the center Autopilot/Flight Director Computer (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.

- (a) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
- (b) If the maintenance message shows on the subsequent flights, then continue.
- (3) Do this check of the wiring.
- (a) Remove the center radio altimeter transceiver, M34312. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
- (b) Disconnect connector DM22301AC from the center autopilot/flight director computer (AFDC), M22301.
- (c) Do a wiring check between these pins of connector DM34312AB at the center radio altimeter transceiver, M34312 and connector DM22301AC at the center autopilot/flight director computer, M22301 (WDM 34-33-32).

DM34312AB

DM22301AC

pin B2 pin F1

pin B3 pin G1

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-connect the center autopilot/flight director computer connector, DM22301AC.
- 3) Re-install the center radio altimeter transceiver, M34312. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
- 4) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
- 5) If the maintenance message shows on the subsequent flights, then continue.
- (e) If you do not find a problem with the wiring, then continue.

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YOU MUST PUT RF ABSORBENT MATERIAL ON THE ANTENNA BEFORE YOU USE THE TDR TEST SET. YOU CAN DAMAGE THE TEST SET IF A HIGH POWER TRANSMITTER OPERATES WITHIN 500 FEET OF THE ANTENNA.

- (4) Cover the center radio altimeter receive antenna, M34314, with RF absorbent material.
- (5) Use a time domain reflectometer (TDR) test set to do an electrical check of the coaxial cable and antenna:
 - (a) Disconnect connector DM34312AA from the center radio altimeter transceiver, M34312.
 - (b) Connect the TDR test set at pins C71 and 71 of connector DM34312AA at the center radio altimeter transceiver (WDM 34-33-31).
 - (c) Do an electrical check of the coaxial cable and the antenna.

NOTE: The TDR test set has instructions which tell how to do the check of the cable and antenna.
 - (d) Disconnect the TDR test set.
 - (e) Re-connect connector DM34312AA.
 - 1) Do not rotate the antenna.

NOTE: Do not rotate the antenna. Connect the coax cable connector to the antenna, use hand tightens only. Do not over-tightening the LRRR antenna coax connector, this can damage the antenna and coax connector.
 - (f) If you find a problem with the coaxial cable, then do these steps:
 - 1) Replace the coaxial cable (WDM 34-33-31).
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 3) If the maintenance message shows on the subsequent flights, then continue.
 - (g) If you find a problem with the antenna, then do these steps:
 - 1) Replace the center radio altimeter receive antenna, M34314.

These are the tasks:
Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801,
Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801.
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 3) If the maintenance message shows on the subsequent flights, then continue.
 - (h) If you do not find a problem with the coaxial cable or the antenna, then continue:



YOU MUST PUT RF ABSORBENT MATERIAL ON THE ANTENNA BEFORE YOU USE THE TDR TEST SET. YOU CAN DAMAGE THE TEST SET IF A HIGH POWER TRANSMITTER OPERATES WITHIN 500 FEET OF THE ANTENNA.

- (6) Cover the center radio altimeter transmit antenna, M34313, with RF absorbent material.
- (7) Use a time domain reflectometer (TDR) test set to do an electrical check of the coaxial cable and antenna:
 - (a) Disconnect connector DM34312AB from the center radio altimeter transceiver, M34312.

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- (b) Connect the TDR test set at pins C71 and 71 of connector DM34312AB at the center radio altimeter transceiver (WDM 34-33-31).
- (c) Do an electrical check of the coaxial cable and the antenna.
NOTE: The TDR test set has instructions which tell how to do the check of the cable and antenna.
- (d) Disconnect the TDR test set.
- (e) Re-connect connector DM34312AB.
 - 1) Do not rotate the antenna.
NOTE: Do not rotate the antenna. Connect the coax cable connector to the antenna, use hand tightens only. Do not over-tightening the LRRA antenna coax connector, this can damage the antenna and coax connector.
- (f) If you find a problem with the coaxial cable, then do these steps:
 - 1) Replace the coaxial cable (WDM 34-33-31).
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 3) If the maintenance message shows on the subsequent flights, then continue.
- (g) If you find a problem with the antenna, then do these steps:
 - 1) Replace the center radio altimeter transmit antenna, M34313.
These are the tasks:
Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801,
Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801.
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.

————— END OF TASK —————

821. Right RA Transceiver Altitude Signal Invalid In Approach Problem - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 22-11940.

B. Initial Evaluation

NOTE: This maintenance message can only occur during flight. When the airplane is on the ground, it is not possible to simulate the conditions which cause this message.

C. Fault Isolation Procedure

- (1) Replace the right radio altimeter 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.
 - (a) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - (b) If the maintenance message shows on the subsequent flights, then continue.
- (2) Replace the right Autopilot/Flight Director Computer (AFDC), M22201.
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 maintenance message does not show on the subsequent flights, then you corrected the fault.
- (b) If the maintenance message shows on the subsequent flights, then continue.
- (3) Do this check of the wiring.
 - (a) Remove the right radio altimeter transceiver, M34212. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
 - (b) Disconnect connector DM22201AC from the center autopilot/flight director computer (AFDC), M22201.
 - (c) Do a wiring check between these pins of connector DM34212AB at the right radio altimeter transceiver, M34212 and connector DM22201AC at the right autopilot/flight director computer, M22201 (WDM 34-33-22).

DM34212AB

pin B2
pin B3

DM22201AC

pin F1
pin G1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect the right autopilot/flight director computer connector, DM22201AC.
 - 3) Re-install the right radio altimeter transceiver, M34212. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
 - 4) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
 - 5) If the maintenance message shows on the subsequent flights, then continue.
- (e) If you do not find a problem with the wiring, then continue.



YOU MUST PUT RF ABSORBENT MATERIAL ON THE ANTENNA BEFORE YOU USE THE TDR TEST SET. YOU CAN DAMAGE THE TEST SET IF A HIGH POWER TRANSMITTER OPERATES WITHIN 500 FEET OF THE ANTENNA.

- (4) Cover the right radio altimeter receive antenna, M34214, with RF absorbent material.
- (5) Use a time domain reflectometer (TDR) test set to do an electrical check of the coaxial cable and antenna:
 - (a) Disconnect connector DM34212AA from the right radio altimeter transceiver, M34312.
 - (b) Connect the TDR test set at pins C71 and 71 of connector DM34212AA at the right radio altimeter transceiver (WDM 34-33-21).
 - (c) Do an electrical check of the coaxial cable and the antenna.

NOTE: The TDR test set has instructions which tell how to do the check of the cable and antenna.
 - (d) Disconnect the TDR test set.
 - (e) Re-connect connector DM34212AA.

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- 1) Do not rotate the antenna.

NOTE: Do not rotate the antenna. Connect the coax cable connector to the antenna, use hand tightens only. Do not over-tightening the LRRRA antenna coax connector, this can damage the antenna and coax connector.

- (f) If you find a problem with the coaxial cable, then do these steps:

- 1) Replace the coaxial cable (WDM 34-33-21).
- 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
- 3) If the maintenance message shows on the subsequent flights, then continue.

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

- 1) Replace the right radio altimeter receive antenna, M34214.

These are the tasks:

Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801,
Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801.

- 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
- 3) If the maintenance message shows on the subsequent flights, then continue.

- (h) If you do not find a problem with the coaxial cable or the antenna, then continue:



YOU MUST PUT RF ABSORBENT MATERIAL ON THE ANTENNA BEFORE YOU USE THE TDR TEST SET. YOU CAN DAMAGE THE TEST SET IF A HIGH POWER TRANSMITTER OPERATES WITHIN 500 FEET OF THE ANTENNA.

- (6) Cover the right radio altimeter transmit antenna, M34213, with RF absorbent material.

- (7) Use a time domain reflectometer (TDR) test set to do an electrical check of the coaxial cable and antenna:

- (a) Disconnect connector DM34212AB from the right radio altimeter transceiver, M34212.
- (b) Connect the TDR test set at pins C71 and 71 of connector DM34212AB at the right radio altimeter transceiver (WDM 34-33-21).
- (c) Do an electrical check of the coaxial cable and the antenna.

NOTE: The TDR test set has instructions which tell how to do the check of the cable and antenna.

- (d) Disconnect the TDR test set.
- (e) Re-connect connector DM34212AB.

- 1) Do not rotate the antenna.

NOTE: Do not rotate the antenna. Connect the coax cable connector to the antenna, use hand tightens only. Do not over-tightening the LRRRA antenna coax connector, this can damage the antenna and coax connector.

- (f) If you find a problem with the coaxial cable, then do these steps:

- 1) Replace the coaxial cable (WDM 34-33-21).
- 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.
- 3) If the maintenance message shows on the subsequent flights, then continue.

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- (g) If you find a problem with the antenna, then do these steps:
- 1) Replace the right radio altimeter transmit antenna, M34213.
These are the tasks:
Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801,
Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801.
 - 2) If the maintenance message does not show on the subsequent flights, then you corrected the fault.

————— **END OF TASK** —————

822. RA Transceiver-L Test not Inhibited as Commanded - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 27-19670.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 radio altimeter 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 radio altimeter transceiver, M34112. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
 - (b) Remove the IOM (M004) module from the left AIMS cabinet, M31101. 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 J250-B at the left AIMS cabinet on the E3-1 shelf and connector DM34112AB at the left radio altimeter transceiver on the E5-4 shelf (WDM 34-33-12).

J250-B

DM34112AB

pin C5 pin K6

- (d) If you find a problem with the wiring, do these steps:
- 1) Repair the wiring.
 - 2) Re-install the left radio altimeter transceiver, M34112. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
 - 3) Re-install the IOM (M004) module. 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** —————

823. RA Transceiver-R Test not Inhibited as Commanded - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 27-19710.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 radio altimeter 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 radio altimeter transceiver, M34212. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
 - (b) Remove the IOM (M004) module from 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 J250-B at the right AIMS cabinet on the E2-1 shelf and connector DM34212AB at the right radio altimeter transceiver on the E5-2 shelf (WDM 34-33-22).

J250-B

DM34212AB

pin C5 pin K6

- (d) If you find a problem with the wiring, do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right radio altimeter transceiver, M34212. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
 - 3) Re-install the IOM (M004) module. 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. RA Transceiver-L (C) Output From AIMS L and R Disagree - 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 IOM (M003) module from the left AIMS cabinet, M31101.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the Mat shows ACTIVE for the maintenance messages, then continue.
- (2) Replace the IOM (M003) module from the right AIMS cabinet, M31201.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the Mat shows ACTIVE for the maintenance messages, then continue.
- (3) Replace the IOM (M004) module from the left AIMS cabinet, M31101.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the Mat shows ACTIVE for the maintenance messages, then continue.
- (4) Replace the IOM (M004) module from the right AIMS cabinet, M31201.
 - (a) 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. RA Transceiver-R Output From AIMS L and R Disagree - 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 IOM (M008) module from the left AIMS cabinet, M31101.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the Mat shows ACTIVE for the maintenance messages, then continue.
- (2) Replace the IOM (M008) module from the right AIMS cabinet, M31201.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the Mat shows ACTIVE for the maintenance messages, then continue.
- (3) Replace the IOM (M009) module from the left AIMS cabinet, M31101.
 - (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 messages, then continue.
- (4) Replace the IOM (M009) module from the right AIMS cabinet, M31201.
- (a) 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 PRE SB 777-31-0264 AND PRE SB 777-31-0218 OR PRE SB 777-31-0263 OR POST SB 777-31-0227 OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218

826. RA Transceiver-L Signal Out of Range

A. Maintenance Messages

- (1) This task is for maintenance message: 34-42041.

B. Initial Evaluation

- (1) If problem was discovered during flight, download Quick Access Recorder (QAR) data and compare altitude values to the Right and Center Radio Altimeter system altitude values.

ARO 001, 002, 004-999; ARO 003 ((POST SB 777-31-0227 AND PRE SB 777-31-0264 AND PRE SB 777-31-0218) OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218) AND (PRE SB 777-31-0264 AND PRE SB 777-31-0218 OR PRE SB 777-31-0263 OR POST SB 777-31-0227 OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218)

NOTE: The Airplane Information Management System (AIMS) Radio Altimeter (RA) monitor checks for radio altitude disagreement between radio altimeters. When the RADIO ALT MONITOR R or RADIO ALT MONITOR C message is set on the EICAS display, the RADIO ALT MONITOR L message is triggered even if the system is functioning properly.

RADIO ALT MONITOR L message shows on the Engine Indication and Crew Alerting System (EICAS) display when the airplane is operating on Standby power only. The Left Radio Altimeter system is not powered and not in operation when airplane is on standby power.

ARO 001, 002, 004-999; ARO 003 PRE SB 777-31-0264 AND PRE SB 777-31-0218 OR PRE SB 777-31-0263 OR POST SB 777-31-0227 OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218

- (a) If data showed that Left Radio Altimeter altitude values were totally different and out of range, then do the Fault Isolation Procedure.
- (b) If data shows that Left Radio Altimeter is good, continue with initial evaluation.
- (2) If MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure.
- (3) If MAT shows NOT ACTIVE for the maintenance message, then do the Radio Altimeter System - Operational Test, AMM TASK 34-33-00-710-801.

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ARO 001, 002, 004-999; ARO 003 ((POST SB 777-31-0227 AND PRE SB 777-31-0264 AND PRE SB 777-31-0218) OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218) AND (PRE SB 777-31-0264 AND PRE SB 777-31-0218 OR PRE SB 777-31-0263 OR POST SB 777-31-0227 OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218)

NOTE: If the airplane transitions to AC STBY power only, nuisance RADIO ALT MONITOR L/R/C status messages are displayed on the MFD. No action is required and the message can be erased after the airplane is on normal power by selecting the Maintenance Task page from the Maintenance Menu on the MFD display and then selecting the erase button for each message.

ARO 001, 002, 004-999; ARO 003 PRE SB 777-31-0264 AND PRE SB 777-31-0218 OR PRE SB 777-31-0263 OR POST SB 777-31-0227 OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218

- (a) If the maintenance message does not show, then there was an intermittent problem.
- (b) If the maintenance message shows, then do the Fault Isolation Procedure below.

C. Fault Isolation Procedure

- (1) Remove the left radio altimeter transceiver, M34112 (Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801).
- (2) Measure the resistance between the transmit antenna cable center conductor and antenna cable shield, connector DM34112AB pins 71 and C71.
 - (a) Do this step if the resistance is greater than 2 ohms: Replace the left radio altimeter transmit antenna, M34113. These are the tasks:
 - Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801
 - Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801
 - (b) If the resistance is less than or equal to 2 ohms, continue the fault isolation procedure.
- (3) Measure the resistance between the receive antenna cable center conductor and antenna cable shield, connector DM34112AA pins 71 and C71.
 - (a) Do this step if the resistance is greater than 2 ohms: Replace the left radio altimeter receive antenna, M34114. These are the tasks:
 - Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801
 - Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801
 - (b) If the resistance is less than or equal to 2 ohms, continue the fault isolation procedure.
- (4) Do these radio altimeter transceiver wiring checks.
 - (a) Make sure that the 80-foot AID program pin F3 is connected to common pin F2 on connector DM34112AB (WDM 34-33-11).
 - 1) If you find a problem, repair the wiring.
 - (b) Make sure that the system select program pin B5 is connected to common pin C5 on connector DM34112AB (WDM 34-33-11).
 - 1) If you find a problem, repair the wiring.
 - (c) Install the left radio altimeter transceiver, M34112 (Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801).
- (5) Replace the left radio altimeter 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

————— END OF TASK —————

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ARO 001, 002, 004-999; ARO 003 PRE SB 777-31-0264 AND PRE SB 777-31-0218 OR PRE SB 777-31-0263 OR POST SB 777-31-0227 OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218
(Continued)

827. RA Transceiver-C Signal Out of Range

A. Maintenance Messages

- (1) This task is for maintenance message: 34-42042.

B. Initial Evaluation

- (1) If problem was discovered during flight, download QAR data and compare altitude values to the Left and Right Radio Altimeter system altitude values.

ARO 001, 002, 004-999; ARO 003 ((POST SB 777-31-0227 AND PRE SB 777-31-0264 AND PRE SB 777-31-0218) OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218) AND (PRE SB 777-31-0264 AND PRE SB 777-31-0218 OR PRE SB 777-31-0263 OR POST SB 777-31-0227 OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218)

NOTE: The AIMS RA monitor checks for radio altitude disagreement between radio altimeters. When the RADIO ALT MONITOR L or RADIO ALT MONITOR R message is set on the EICAS display, the RADIO ALT MONITOR C message is triggered even if the system is functioning properly.

ARO 001, 002, 004-999; ARO 003 PRE SB 777-31-0264 AND PRE SB 777-31-0218 OR PRE SB 777-31-0263 OR POST SB 777-31-0227 OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218

- (a) If data showed that Center Radio Altimeter altitude values were totally different and out of range, then do the Fault Isolation Procedure.
 - (b) If data shows that Center Radio Altimeter is good, continue with initial evaluation.
- (2) If MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure.
 - (3) If MAT shows NOT ACTIVE for the maintenance message, then do the Radio Altimeter System - Operational Test, AMM TASK 34-33-00-710-801.

ARO 001, 002, 004-999; ARO 003 ((POST SB 777-31-0227 AND PRE SB 777-31-0264 AND PRE SB 777-31-0218) OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218) AND (PRE SB 777-31-0264 AND PRE SB 777-31-0218 OR PRE SB 777-31-0263 OR POST SB 777-31-0227 OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218)

NOTE: If the airplane transitions to AC STBY power only, nuisance RADIO ALT MONITOR L/R/C status messages are displayed on the MFD. No action is required and the message can be erased after the airplane is on normal power by selecting the Maintenance Task page from the Maintenance Menu on the MFD display and then selecting the erase button for each message.+

ARO 001, 002, 004-999; ARO 003 PRE SB 777-31-0264 AND PRE SB 777-31-0218 OR PRE SB 777-31-0263 OR POST SB 777-31-0227 OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218

- (a) If the maintenance message does not show, then there was an intermittent fault.
- (b) If the maintenance message shows, then do the Fault Isolation Procedure below.

C. Fault Isolation Procedure

- (1) Remove the center radio altimeter transceiver, M34312 (Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801).
- (2) Measure the resistance between the transmit antenna cable center conductor and antenna cable shield, connector DM34312AB pins 71 and C71.

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ARO 001, 002, 004-999; ARO 003 PRE SB 777-31-0264 AND PRE SB 777-31-0218 OR PRE SB 777-31-0263 OR POST SB 777-31-0227 OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218
(Continued)

- (a) Do this step if the resistance is greater than 2 ohms: Replace the center radio altimeter transmit antenna, M34313. These are the tasks:
 - Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801
 - Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801
- (b) If the resistance is less than or equal to 2 ohms, continue the fault isolation procedure.
- (3) Measure the resistance between the receive antenna cable center conductor and antenna cable shield, connector DM34312AA pins 71 and C71.
 - (a) Do this step if the resistance is greater than 2 ohms: Replace the center radio altimeter receive antenna, M34314. These are the tasks:
 - Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801
 - Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801
 - (b) If the resistance is less than or equal to 2 ohms, continue the fault isolation procedure.
- (4) Do these radio altimeter transceiver wiring checks.
 - (a) Make sure that the 80-foot AID program pin F3 is connected to common pin F2 on connector DM34312AB (WDM 34-33-31).
 - 1) If you find a problem, repair the wiring.
 - (b) Make sure that the system select program pin C6 is connected to common pin C5 on connector DM34312AB (WDM 34-33-31).
 - 1) If you find a problem, repair the wiring.
 - (c) Install the center radio altimeter transceiver, M34312 (Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801).
- (5) Replace the center radio altimeter 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

————— END OF TASK —————

828. RA Transceiver-R Signal Out of Range

A. Maintenance Messages

- (1) This task is for maintenance message: 34-42043.

B. Initial Evaluation

- (1) If problem was discovered during flight, download QAR data and compare altitude values to the Left and Center Radio Altimeter system altitude values.

ARO 001, 002, 004-999; ARO 003 ((POST SB 777-31-0227 AND PRE SB 777-31-0264 AND PRE SB 777-31-0218) OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218) AND (PRE SB 777-31-0264 AND PRE SB 777-31-0218 OR PRE SB 777-31-0263 OR POST SB 777-31-0227 OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218)

NOTE: The AIMS RA monitor checks for radio altitude disagreement between radio altimeters. When the RADIO ALT MONITOR L or RADIO ALT MONITOR C message is set on the EICAS display, the RADIO ALT MONITOR R message is triggered even if the system is functioning properly.

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RADIO ALT MONITOR R message shows on the EICAS display when the airplane is operating on Standby power only. The Right Radio Altimeter system is not powered and not in operation when airplane is on standby power.

ARO 001, 002, 004-999; ARO 003 PRE SB 777-31-0264 AND PRE SB 777-31-0218 OR PRE SB 777-31-0263 OR POST SB 777-31-0227 OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218

- (a) If data showed that Right Radio Altimeter altitude values were totally different and out of range, then do the Fault Isolation Procedure.
- (b) If data shows that Right Radio Altimeter is good, continue with initial evaluation.
- (2) If MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure.
- (3) If MAT shows NOT ACTIVE for the maintenance message, then do the Radio Altimeter System - Operational Test, AMM TASK 34-33-00-710-801.

ARO 001, 002, 004-999; ARO 003 ((POST SB 777-31-0227 AND PRE SB 777-31-0264 AND PRE SB 777-31-0218) OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218) AND (PRE SB 777-31-0264 AND PRE SB 777-31-0218 OR PRE SB 777-31-0263 OR POST SB 777-31-0227 OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218)

NOTE: If the airplane transitions to AC STBY power only, nuisance RADIO ALT MONITOR L/R/C status messages are displayed on the MFD. No action is required and the message can be erased after the airplane is on normal power by selecting the Maintenance Task page from the Maintenance Menu on the MFD display and then selecting the erase button for each message.

ARO 001, 002, 004-999; ARO 003 PRE SB 777-31-0264 AND PRE SB 777-31-0218 OR PRE SB 777-31-0263 OR POST SB 777-31-0227 OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218

- (a) If the maintenance message does not show, then there was an intermittent fault.
- (b) If the maintenance message shows, then do the Fault Isolation Procedure below.

C. Fault Isolation Procedure

- (1) Remove the right radio altimeter transceiver, M34212 (Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801).
- (2) Measure the resistance between the transmit antenna cable center conductor and antenna cable shield, connector DM34212AB pins 71 and C71.
 - (a) Do this step if the resistance is greater than 2 ohms: Replace the right radio altimeter transmit antenna, M34213. These are the tasks:
 - Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801
 - Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801
 - (b) If the resistance is less than or equal to 2 ohms, continue the fault isolation procedure.
- (3) Measure the resistance between the receive antenna cable center conductor and antenna cable shield, connector DM34212AA pins 71 and C71.
 - (a) Do this step if the resistance is greater than 2 ohms: Replace the right radio altimeter receive antenna, M34214. These are the tasks:
 - Radio Altimeter Antenna Removal, AMM TASK 34-33-02-000-801
 - Radio Altimeter Antenna Installation, AMM TASK 34-33-02-400-801
 - (b) If the resistance is less than or equal to 2 ohms, continue the fault isolation procedure.
- (4) Do these radio altimeter transceiver wiring checks.

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ARO 001, 002, 004-999; ARO 003 PRE SB 777-31-0264 AND PRE SB 777-31-0218 OR PRE SB 777-31-0263 OR POST SB 777-31-0227 OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218
(Continued)

- (a) Make sure that the 80-foot AID program pin F3 is connected to common pin F2 on connector DM34212AB (WDM 34-33-21).
 - 1) If you find a problem, repair the wiring.
 - (b) Make sure that the system select program pin B6 is connected to common pin C5 on connector DM34212AB (WDM 34-33-21).
 - 1) If you find a problem, repair the wiring.
 - (c) Install the right radio altimeter transceiver, M34212 (Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801).
- (5) Replace the right radio altimeter 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

———— **END OF TASK** ————

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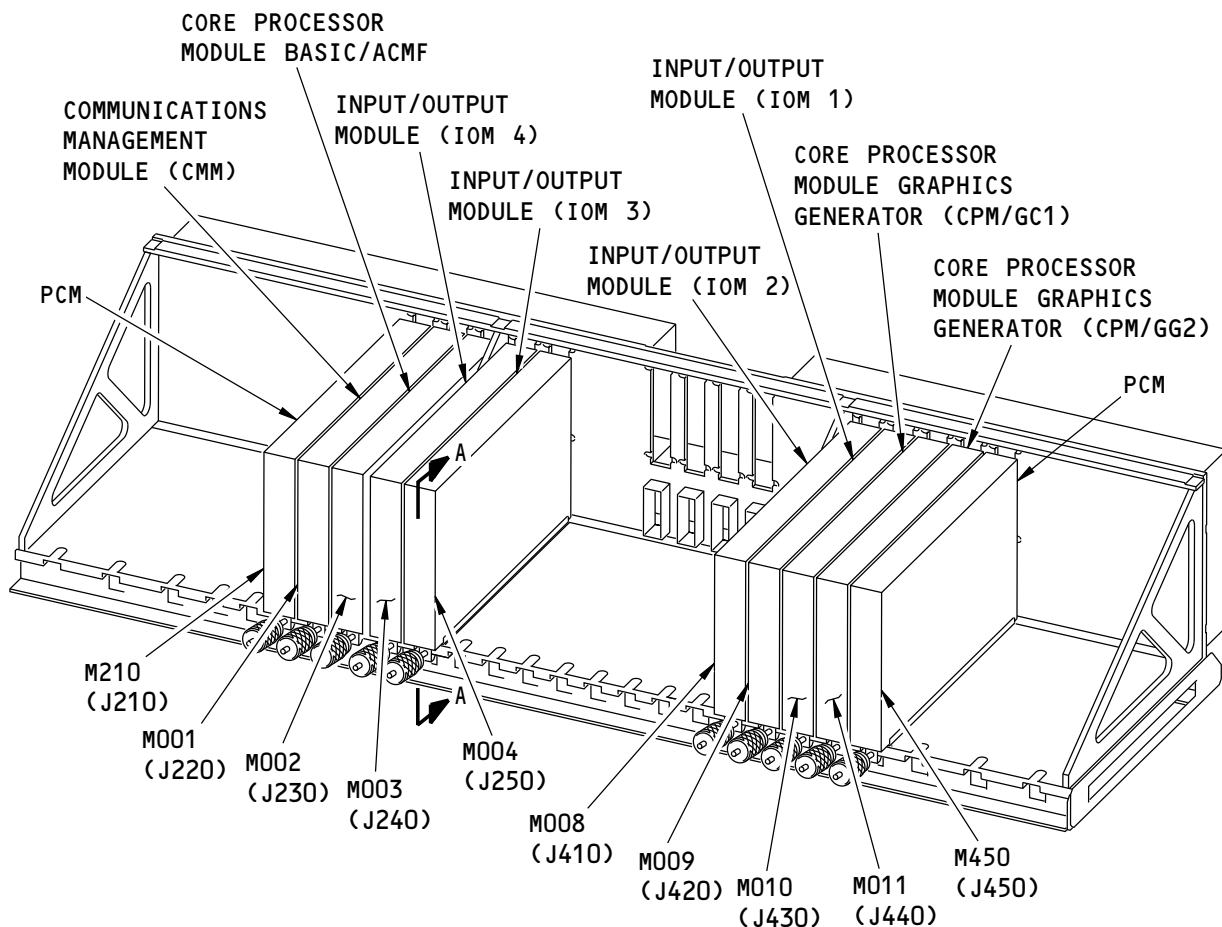
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ELECTRONIC EQUIPMENT RACK

2178748 S0000480931_V1

Airplane Information Management System (AIMS) Overview
Figure 301/34-33-00-990-801 (Sheet 1 of 2)

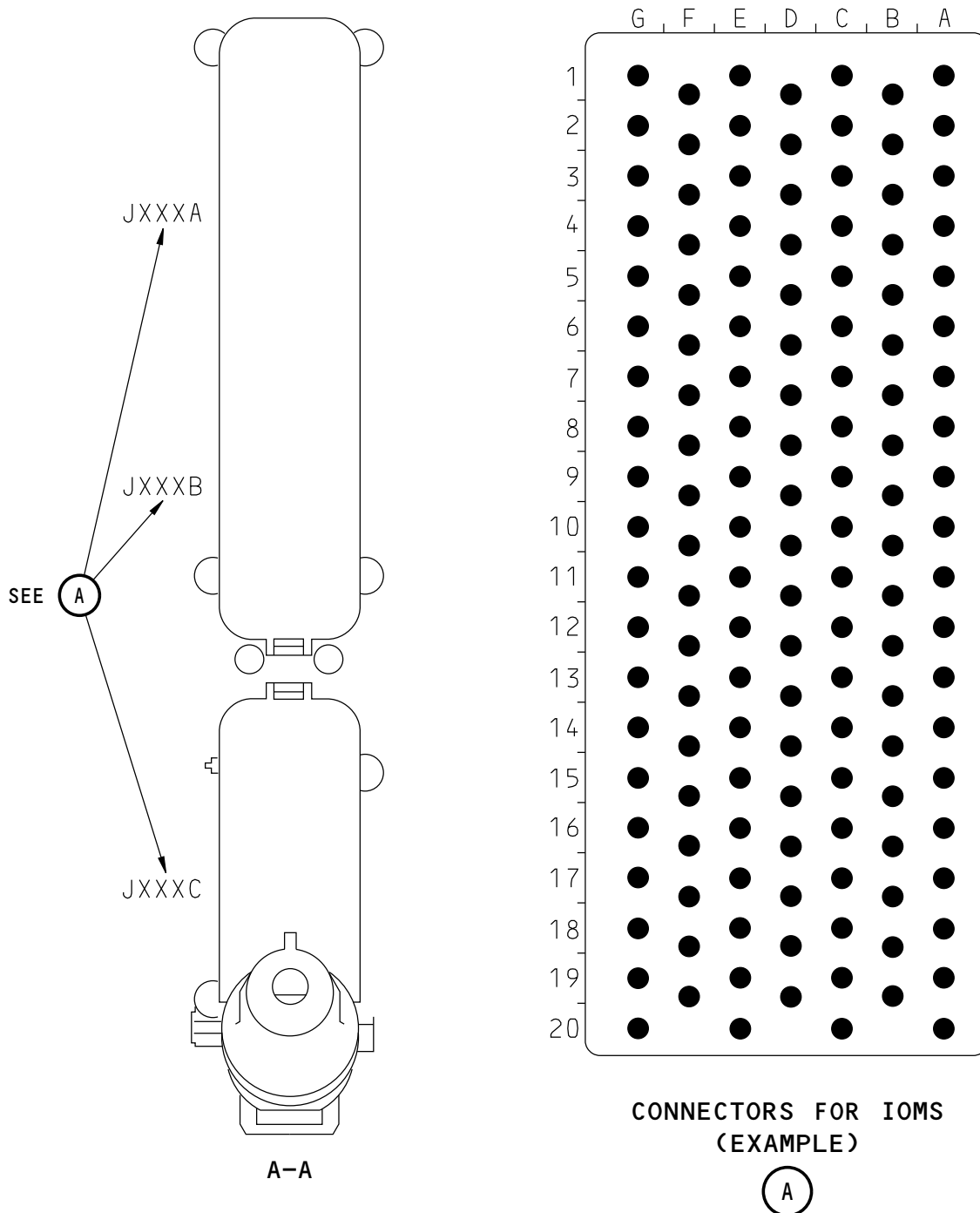
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NOTE: XXX = CONNECTOR NUMBER

2179065 S0000481152_V1

Airplane Information Management System (AIMS) Overview
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814. L WXR XCVR GENERAL PURPOSE #2 BUS Input from AIMS(L) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49925.

B. Initial Evaluation

- (1) If the MAT 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), you corrected the 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 WXR Radar Processor, M34434.

These are the tasks:

WXR Radar Processor Removal, AMM TASK 34-43-09-000-801

WXR Radar Processor Installation, AMM TASK 34-43-09-400-801

- (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.
- (2) Replace the IOM (M003) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 left WXR Radar Processor, M34434. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801
- (4) Remove the IOM (M003) module from the left AIMS cabinet, M31101. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (5) Do a wiring check between these pins of connector D6618 at the AIMS left (E3-1 shelf) and connector DM34434AB at the left WXR processor (WDM 34-43-11).

D6618	DM34434AB
34	B3
58	B4

- (a) Repair the wiring.
 - (b) Re-install the IOM (M003) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - (c) Re-install the left WXR Radar Processor, M34434. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801

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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** —————

815. R WXR XCVR GENERAL PURPOSE #2 BUS Input from AIMS(L) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49926.

B. Initial Evaluation

- (1) If the MAT 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), you corrected the 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 WXR Radar Processor, M34436.

These are the tasks:

WXR Radar Processor Removal, AMM TASK 34-43-09-000-801

WXR Radar Processor Installation, AMM TASK 34-43-09-400-801

- (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.
- (2) Replace the IOM (M003) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 right WXR Radar Processor, M34436. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801
- (4) Remove the IOM (M003) module from the left AIMS cabinet, M31101. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (5) Do a wiring check between these pins of connector D6618 at the AIMS left (E3-1 shelf) and connector DM34436AB at the right WXR processor (WDM 34-43-11).

D6618	D34436AB
34	B3
58	B4

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

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- (b) Re-install the IOM (M003) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (c) Re-install the right WXR Radar Processor, M34436. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801
- (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 —————

816. L WXR XCVR GENERAL PURPOSE #2 BUS Input from AIMS(R) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49928.

B. Initial Evaluation

- (1) If the MAT 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), you corrected the 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 WXR Radar Processor, M34434.

These are the tasks:

WXR Radar Processor Removal, AMM TASK 34-43-09-000-801

WXR Radar Processor Installation, AMM TASK 34-43-09-400-801

- (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.
- (2) Replace the IOM (M003) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 left WXR Radar Processor, M34434. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801
- (4) Remove the IOM (M003) module from the right AIMS cabinet, M31201. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (5) Do a wiring check between these pins of connector D6718 at the AIMS right (E2-1 shelf) and connector DM34434AB at the left WXR processor (WDM 34-43-11).

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D6718	D34434AM
34	J3
58	J4

- (6) If you find a problem with the wiring, then do these steps:
- (a) Repair the wiring.
 - (b) Re-install the IOM (M003) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - (c) Re-install the left WXR Radar Processor, M34434. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801
 - (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 —————

817. R WXR XCVR GENERAL PURPOSE #2 BUS Input from AIMS(R) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49929.

B. Initial Evaluation

- (1) If the MAT 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), you corrected the 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 WXR Radar Processor, M34436.
- These are the tasks:
- WXR Radar Processor Removal, AMM TASK 34-43-09-000-801
- WXR Radar Processor Installation, AMM TASK 34-43-09-400-801
- (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.
- (2) Replace the IOM (M003) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 right WXR Radar Processor, M34436. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801

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- (4) Remove the IOM (M003) module from the right AIMS cabinet, M31201. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (5) Do a wiring check between these pins of connector D6718 at the AIMS right (E2-1 shelf) and connector DM34434AB at the right WXR processor WDM 34-43-11).

D6718	DM34434AB
34	J3
58	J4

- (6) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the IOM (M003) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - (c) Re-install the right WXR Radar Processor, M34436. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801
 - (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 —————

818. L WXR XCVR RT MAINTENANCE BUS Output to AIMS(L) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-44891.

B. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.

NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

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 WXR Radar Processor, M34434.

These are the tasks:
WXR Radar Processor Removal, AMM TASK 34-43-09-000-801
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801

 - (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.
- (2) Replace the IOM (M009) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 left WXR Radar Processor, M34434. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801
- (4) Remove the IOM (M009) module from the left AIMS cabinet, M31101. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (5) Do a wiring check between these pins of connector D6605 at AIMS left (E3-1 shelf) and connector DM34434AB at the left WXR Radar Processor WDM 34-43-11)

D6605	DM34434AB
16	J1
17	K1

- (6) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the IOM (M009) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - (c) Re-install the left WXR Radar Processor, M34434. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801
 - (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** —————

819. **R WXR XCVR RT MAINTENANCE BUS Output to AIMS(R) Problems - Fault Isolation**

A. Maintenance Messages

- (1) This task is for maintenance message: 34-44892.

B. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.

NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

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 WXR Radar Processor, M34436.

These are the tasks:

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WXR Radar Processor Removal, AMM TASK 34-43-09-000-801

WXR Radar Processor Installation, AMM TASK 34-43-09-400-801

- (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.
- (2) Replace the IOM (M004) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 right WXR Radar Processor, M34436. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801
- (4) Remove the IOM (M004) module from the right AIMS cabinet, M31201. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (5) Do a wiring check between these pins of connector D6717 at the AIMS right (E2-1 shelf) and connector DM34436AB at the right WXR Radar Processor) WDM 34-43-21.

D6717	DM34436AB
25	J1
26	K1

- (6) If you find a problem with the wiring, then do these steps:
- (a) Repair the wiring.
 - (b) Re-install the IOM (M004) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - (c) Re-install the right WXR Radar Processor, M34436. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801
 - (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 —————

821. L WXR Antenna Drive Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-44031.

B. Description

- (1) The WXR Antenna Drive is not connected or has failed.

C. Possible Causes

- (1) WXR Antenna Drive, M34024T
- (2) Left WXR Transceiver, M34116
- (3) Right WXR Transceiver, M34216
- (4) Wiring

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D. Related Data

- (1) WDM 34-43-12

E. Initial Evaluation

- (1) On the Maintenance Access Terminal (MAT), look for the 34-44031 maintenance message.
- (a) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

F. Fault Isolation Procedure

- (1) Replace the WXR Antenna Drive, M34024T. These are the tasks:
- WXR Antenna Drive Unit Removal, AMM TASK 34-43-03-000-802
 - WXR Antenna Drive Unit Installation, AMM TASK 34-43-03-400-801
- (a) Do the Repair Confirmation at the end of this task.
- (2) Replace the Left WXR Transceiver, 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
- (a) Do the Repair Confirmation at the end of this task.
- (3) Remove the Weather Radar (WXR) Antenna Drive, M34024T. This is the task: WXR Antenna Drive Unit Removal, AMM TASK 34-43-03-000-802.
- (4) Remove the Left WXR Transceiver, M34116. This is the task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
- (5) Do a wiring check between these pins of connector DM34116AB and DM34116AC at the Left WXR Transceiver, M34116, and connector DM34024A at the WXR Antenna Drive, M34024T as follows (WDM 34-43-12):

DM34116AB	DM34024A
pin E10	pin A
pin E11	pin B
pin E12	pin C
pin C10	pin D
pin C11	pin E
pin C12	pin F
pin C13	pin S-
pin C14	pin T-
pin A10	pin G
pin A11	pin H
pin A12	pin J

DM34116AC	DM34024A
pin 3	pin I-
pin 8	pin Z-

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

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- 2) Re-install the WXR Antenna Drive, M34024T. This is the task: WXR Antenna Drive Unit Installation, AMM TASK 34-43-03-400-801.
- 3) Re-install the left WXR Transceiver, M34116. This is the task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
- 4) Do the Repair Confirmation at the end of this task.
- (6) Replace the Right WXR Transceiver, 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
- (a) Do the Repair Confirmation at the end of this task.

G. Repair Confirmation

- (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 the Fault Isolation Procedure at the subsequent step.

————— END OF TASK —————

822. R WXR Antenna Drive Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-44032.

B. Description

- (1) The WXR Antenna Drive is not connected or has failed.

C. Possible Causes

- (1) WXR Antenna Drive, M34024T
- (2) Right WXR Transceiver, M34216
- (3) Left WXR Transceiver, M34116
- (4) Wiring

D. Related Data

- (1) WDM 34-43-22

E. Initial Evaluation

- (1) On the MAT, look for the 34-44032 maintenance message.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

F. Fault Isolation Procedure

- (1) Replace the WXR Antenna Drive, M34024T. These are the tasks:
 - WXR Antenna Drive Unit Removal, AMM TASK 34-43-03-000-802
 - WXR Antenna Drive Unit Installation, AMM TASK 34-43-03-400-801
- (a) Do the Repair Confirmation at the end of this task.
- (2) Replace the Right WXR Transceiver, M34216. These are the tasks:
 - WXR Transceiver Removal, AMM TASK 34-43-02-000-801

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- WXR Transceiver Installation, AMM TASK 34-43-02-400-801

- (a) Do the Repair Confirmation at the end of this task.
- (3) Remove the Weather Radar (WXR) Antenna Drive, M34024T. This is the task: WXR Antenna Drive Unit Removal, AMM TASK 34-43-03-000-802.
 - (4) Remove the Right WXR Transceiver, M34216. This is the task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
 - (5) Do a wiring check between these pins of connector DM34216AB at the Right WXR Transceiver, M34216, and connector DM34024B at the WXR Antenna Drive, M34024T as follows (WDM 34-43-22):

DM34216AB	DM34024B
pin E10	pin A
pin E11	pin B
pin E12	pin C
pin C10	pin D
pin C11	pin E
pin C12	pin F
pin C13	pin S-
pin C14	pin T-
pin A10	pin G
pin A11	pin H
pin A12	pin J

- (6) Do a wiring check between these pins of connector DM34216AC at the Right WXR Transceiver, M34216, and connector DM34024B at the WXR Antenna Drive, M34024T as follows (WDM 34-43-22):

DM34216AC	DM34024B
pin 3	pin I-
pin 8	pin Z-

- (7) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the WXR Antenna Drive, M34024T. This is the task: WXR Antenna Drive Unit Installation, AMM TASK 34-43-03-400-801.
 - (c) Re-install the Right WXR Transceiver, M34216. This is the task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
 - (d) Do the Repair Confirmation at the end of this task.
- (8) Replace the Right WXR Transceiver, 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
 - (a) Do the Repair Confirmation at the end of this task.

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G. Repair Confirmation

- (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 the Fault Isolation Procedure at the subsequent step.

———— **END OF TASK** ————

823. Weather Radar Display Blank on Captain's ND - Fault Isolation

A. Initial Evaluation

- (1) Look at the Extended Maintenance, Existing Faults display on the MAT.
 - (a) If a maintenance message related to the WXR transceiver shows in the 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.
- (2) If a maintenance message related to the WXR transceiver does not show in Existing Faults, then there was an intermittent fault.

———— **END OF TASK** ————

824. Weather Radar Fault Display on ND - Fault Isolation

A. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.

NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, continue on to the next step.
- (2) Look at the Extended Maintenance, Existing Faults display on the MAT.
 - (a) If a maintenance message related to the WXR transceiver shows in the 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.
- (3) If a maintenance message related to the WXR transceiver does not show in Existing Faults, then there was an intermittent fault.

———— **END OF TASK** ————

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825. Weather Radar on Captain's ND Problems - Fault Isolation

A. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.

NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

B. Fault Isolation Procedure

- (1) Replace the WXR control panel, M34025.

These are the tasks:
WXR Control Panel Removal, AMM TASK 34-43-01-000-801,
WXR Control Panel Installation, AMM TASK 34-43-01-400-801.

- (2) Do these steps if the left WXR was selected:
 - (a) Replace the left WXR radar processor, M34434.

These are the tasks:
WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.

 - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) Do a wiring check between these pins of connector DM34434AB at the left WXR radar processor, M34434, and connector D6604 at the AIMS (Left) WDM 34-43-11.

DM34434AB	D6604
pin D2	pin 16
pin D3	pin 33

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Do these steps if the right WXR was selected:
 - (a) Replace the right WXR radar processor, M34436.

These are the tasks:
WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.

 - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) Do a wiring check between these pins of connector DM344346AB at the right WXR radar processor, M34436, and connector D6704 at the AIMS (Right) WDM 34-43-21.

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DM34436AB	D6704
pin D2	pin 16
pin D3	pin 33

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - a) 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. Weather Radar on First Officer's ND Problems - Fault Isolation

A. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.
NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

B. Fault Isolation Procedure

- (1) Replace the WXR control panel, M34025.
These are the tasks:
WXR Control Panel Removal, AMM TASK 34-43-01-000-801,
WXR Control Panel Installation, AMM TASK 34-43-01-400-801.
- (2) Do these steps if the left WXR was selected:
 - (a) Replace the left WXR radar processor, M34434.
These are the tasks:
WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) Do a wiring check between these pins of connector DM34434AB at the left WXR radar processor, M34434, and connector D6604 at the AIMS (Left) WDM 34-43-11.

DM34434AB	D6604
pin G2	pin 41
pin G3	pin 21

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Do these steps if the right WXR was selected:

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- (a) Replace the right WXR radar processor, M34436.

These are the tasks:

WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,

WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.

- 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) Do a wiring check between these pins of connector DM344346AB at the right WXR radar processor, M34436, and connector D6704 at the AIMS (Right) WDM 34-43-21.

DM34436AB

D6704

pin G2 pin 41

pin G3 pin 21

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

- 1) Repair the wiring.

- a) 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. Weather Radar Return Problems - Fault Isolation

A. Fault Isolation Procedure

- (1) Replace the applicable WXR Radar Processor, M34434 or M34436.

These are the tasks:

WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,

WXR Transceiver Installation, AMM TASK 34-43-02-400-801
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.

- (a) If the ND display shows WXR returns during the test, then you corrected the fault.
- (b) If the ND display does not show WXR returns during the test, then continue.
- (2) Replace the applicable WXR transceiver, M34438 or M34439.

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 ND display shows WXR returns during the test, then you corrected the fault.
- (b) If the ND display does not show WXR returns during the test, then continue.

————— **END OF TASK** —————

828. Weather Radar Gain Control Problems - Fault Isolation

A. Fault Isolation Procedure

- (1) Replace the WXR control panel, M34025.

These are the tasks:

WXR Control Panel Removal, AMM TASK 34-43-01-000-801,

WXR Control Panel Installation, AMM TASK 34-43-01-400-801.

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- (a) If the WXR gain control operates during the test, then you corrected the fault.

————— END OF TASK —————

829. Weather Radar GRD RTN Problems - Fault Isolation

A. Fault Isolation Procedure

- (1) Replace the WXR control panel, M34025.

These are the tasks:

WXR Control Panel Removal, AMM TASK 34-43-01-000-801,

WXR Control Panel Installation, AMM TASK 34-43-01-400-801.

- (a) If the WXR GRD RTN operates during the test, then you corrected the fault.
- (2) Do a visual check of the WXR flat plate installation.
- (a) Make sure the flat plate is properly mounted to the WXR antenna pedestal.

————— END OF TASK —————

834. Left (Right) WXR Transceiver Failure - Fault Isolation

A. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
- (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.
- NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
- (b) If the test fails, then do the Fault Isolation Procedure below.

B. Fault Isolation Procedure

- (1) Replace the Left (Right) WXR Transceiver, M34438 (M34439).
- These are the tasks:
- WXR Transceiver Removal, AMM TASK 34-43-02-000-801,
- WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
- (2) Do the ground test on the MAT: 34 Weather Radar System, SYSTEM TEST, Left (Right) WXR System.
- (3) If the maintenance message does not show on the ground test display, then you corrected the fault.

————— END OF TASK —————

843. WXR SYS or WINDSHEAR PRED Status Message Is Displayed, With No Correlated Maintenance Message - Fault Isolation

A. Initial Evaluation

- (1) If the left weather radar system is selected, then, do this task: WXR SYS or WINDSHEAR PRED Status Message Is Displayed With Left Weather Radar Selected, With No Correlated Maintenance Message - Fault Isolation, 34-43 TASK 844.
- (2) Do the WXR self test from the WXR Control Panel.

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- (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.

NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.

- (b) If the test fails, then do the Fault Isolation Procedure below.

B. Fault Isolation Procedure

- (1) Do this check of the wiring:

- (a) Remove the right WXR Transceiver, M34216. Do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
- (b) Measure the R/T disable signal between connector DM34216AB pin D8 and ground (WDM 34-43-21).
- 1) The signal should be 28 vdc.
 - 2) If the signal is a ground or open circuit the weather radar control panel should be replaced.

- (c) Re-install the right WXR Transceiver, M34216. Do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801

- (d) Replace the weather radar control panel, M34025.

These are the tasks:

WXR Control Panel Removal, AMM TASK 34-43-01-000-801

WXR Control Panel Installation, AMM TASK 34-43-01-400-801

- 1) If the ND display is normal during the test, and the WXR SYS or WINDSHEAR PRED message is not displayed, then you corrected the fault.

- (2) Replace the right WXR Radar Processor, M34436.

These are the tasks:

WXR Radar Processor Removal, AMM TASK 34-43-09-000-801

WXR Radar Processor Installation, AMM TASK 34-43-09-400-801

- (a) If the ND display is normal during the test, and the WXR SYS or WINDSHEAR PRED message is not displayed, then you corrected the fault.

- (3) Do this check of the wiring:

- (a) Remove the right WXR Radar Processor, M34436. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
- (b) Remove the Core Processor Module/Graphics Generator from the right AIMS cabinet, M31201. To remove it, do this task: Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801.
- (c) Do a wiring check between these pins of connector DM34436AB and J430-A at E2-1 (WDM 34-46-14),(SSM 31-41-01)

DM34436AB

pin D3		pin E2
pin D2		pin F2
pin G3		pin E3
pin G2		pin F3

J430-A

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- (4) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the right WXR Radar Processor, M34436. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - (c) Re-install the Core Processor Module/Graphics Generator from the right AIMS cabinet, M31201. To install it, do this task: Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
 - (d) If the WXR SYS or WINDSHEAR PRED status message does not show, then you corrected the fault.

————— **END OF TASK** —————

844. WXR SYS or WINDSHEAR PRED Status Message Is Displayed With Left Weather Radar Selected, With No Correlated Maintenance Message - Fault Isolation

A. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.

NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

B. Fault Isolation Procedure

- (1) Replace the left WXR Radar Processor, M34434.

These are the tasks:
WXR Radar Processor Removal, AMM TASK 34-43-09-000-801
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801

 - (a) If the ND display is normal during the test, and the WXR SYS or WINDSHEAR PRED message is not displayed, then you corrected the fault.
- (2) Do this check of the wiring:
 - (a) Remove the left WXR Radar Processor, M34434. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
 - (b) Remove the Core Processor Module/Graphics Generator, M010 from the left AIMS cabinet, M31101. To remove it, do this task: Core Processor Module/Graphics Generator (CPM/GG) Removal, AMM TASK 31-41-02-000-801
 - (c) Do a wiring check between these pins of connector DM34434AB and J1A Graphics Generator connector (WDM 34-46-14), (SSM 31-41-01):

DM34434AB	J1A
pin D2	pin H2
pin D3	pin H3
pin G3	pin H7
pin G2	pin H6

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

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- (b) Re-install the left WXR Radar Processor, M34434. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
- (c) Re-install the Core Processor Module/Graphics Generator in the left AIMS cabinet M31101. To install it, do this task: Core Processor Module/Graphics Generator (CPM/GG) Installation, AMM TASK 31-41-02-400-801.
- (d) If the WXR SYS or WINDSHEAR PRED status message does not show, then you corrected the fault.

————— END OF TASK —————

845. L WXR Input Failure from L AIMS on Maint Data LS Bus 429 - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50001.

B. Description

- (1) This task is for maintenance message: 34-50001.
- (2) WXR Radar Processor (Left) has no input from Left AIMS on Maint Bus (419).

C. Possible Causes

- (1) WXR Radar Processor (Left), M34434.
- (2) IOM (M009) in Left AIMS
- (3) Wiring

D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	6	C34439	WXR L R/T

E. Related Data

- (1) WDM 34-43-11

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.

NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

G. 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 WXR radar processor, M34434.

These are the tasks:

WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,

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WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.

- (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.
- (2) Replace the IOM (M009) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 WXR radar processor, M34434. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
 - (b) Remove the IOM (M009) module from the left AIMS cabinet, M31101. 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 D6605 at the E3-1 shelf and connector DM34434AB at the left WXR radar processor(WDM 34-43-11).

D6605

pin 16
pin 17

DM34434AB

pin J1
pin K1

- (4) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the IOM (M009) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - (c) Re-install the left WXR radar processor, M34434. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - (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** —————

846. R WXR Input Failure from L AIMS on Maint Data LS Bus 429 - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50002.

B. Description

- (1) This task is for maintenance message: 34-50002.
- (2) WXR Radar Processor (Right) has no input from Left AIMS on Maint Bus (429).

C. Possible Causes

- (1) WXR Radar Processor (Right), M34436.
- (2) IOM (M004) in Left AIMS
- (3) Wiring

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D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	16	C34438	WXR R R/T

E. Related Data

- (1) WDM 34-43-21

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
- (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.
- NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
- (b) If the test fails, then do the Fault Isolation Procedure below.

G. 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 WXR radar processor, M34436.
- These are the tasks:
- WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
- (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.
- (2) Replace the IOM (M004) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 WXR radar processor, M34436. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
- (b) Remove the IOM (M004) module from the left AIMS cabinet, M31101. 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 D6617 at the E3-1 shelf and connector DM34436AB at the right WXR radar processor(WDM 34-43-21).

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D6617

pin 25 pin J1
pin 26 pin K1

DM34436AB

- (4) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the IOM (M004) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - (c) Re-install the right WXR radar processor, M34436. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - (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

847. L WXR Input Failure from R AIMS on General Purpose Bus 3 - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50003.

B. Description

- (1) This task is for maintenance message: 34-50003.
- (2) WXR Radar Processor (Left) has no input from Right AIMS on General Purpose Bus 3.

C. Possible Causes

- (1) WXR Radar Processor (Left), M34434.
- (2) IOM (M003) in Right AIMS.
- (3) Wiring.

D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	6	C34439	WXR L R/T

E. Related Data

- (1) WDM 31-41-23

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.

NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

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G. 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 WXR radar processor, M34434.

These are the tasks:

WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,

WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.

- (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.
- (2) Replace the IOM (M003) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 WXR radar processor, M34434. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
- (b) Remove the IOM (M003) module from 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 D6718 at the E2-1 shelf and connector DM34434AB at the left WXR radar processor WDM 31-41-23.

D6718

pin 51 pin J9
pin 52 pin J10

DM34434AB

- (4) If you find a problem with the wiring, then do these steps:
- (a) Repair the wiring.
- (b) Re-install the IOM (M003) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (c) Re-install the left WXR radar processor, M34434. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
- (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** —————

848. R WXR Input Failure from L AIMS on General Purpose Bus 3 - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50004.

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B. Description

- (1) This task is for maintenance message: 34-50004.
- (2) WXR Radar Processor (Right) has no input from Left AIMS on General Purpose Bus 3.

C. Possible Causes

- (1) WXR Radar Processor (Right), M34436.
- (2) IOM (M003) in Left AIMS.
- (3) Wiring.

D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	16	C34438	WXR R R/T

E. Related Data

- (1) WDM 31-41-21

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.

NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

G. 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 WXR radar processor, M34436.

These are the tasks:

WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.

 - (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.
- (2) Replace the IOM (M003) module 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) If the MAT shows NOT ACTIVE for the maintenance 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 WXR radar processor, M34436. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
 - (b) Remove IOM (M003) module 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) Do a wiring check between these pins of connector D6618 at the E3-1 shelf and connector DM34436AB at the right WXR radar processor (WDM 31-41-21).

D6618	DM34436AB
pin 51	pin K11
pin 52	pin K12

- (4) If you find a problem with the wiring, then do these steps:
- (a) Repair the wiring.
 - (b) Re-install the IOM (M003) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - (c) Re-install the right WXR radar processor, M34436. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - (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** ————

849. R WXR Input Failure from L AIMS on ARINC 429 HS IRS Gateway-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50005.

B. Description

- (1) This task is for maintenance message: 34-50005.
(2) WXR Radar Processor (Right) has no input from Left AIMS on ARINC 429 HS IRS Gateway-L.

C. Possible Causes

- (1) WXR Radar Processor (right), M34436.
(2) IOM (M008) in Left AIMS.
(3) Wiring.

D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	16	C34438	WXR R R/T

E. Related Data

- (1) WDM 31-41-31

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F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.

NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

G. Fault Isolation Procedure

H. Repair Confirmation

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 WXR radar processor, M34436.

These are the tasks:

WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.

 - (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.
- (2) Replace the IOM (M008) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 WXR radar processor, M34436. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
 - (b) Remove IOM (M008) module 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) Do a wiring check between these pins of connector D6606 at the E3-1 shelf and connector DM34436AB at the right WXR radar processor (WDM 31-41-31).

D6606	DM34436AB
pin 34	pin G12
pin 58	pin G13
- (4) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the IOM (M008) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (c) Re-install the right WXR radar processor, M34436. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
- (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 —————

850. L WXR Input Failure from R AIMS on IRS Xmtr HS Bus 704 - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50006.

B. Description

- (1) This task is for maintenance message: 34-50006.
- (2) WXR Radar Processor (Left) has no input from Right AIMS on 704 IRS Xmtr Hs Bus.

C. Possible Causes

- (1) WXR Radar Processor (Left), M34434.
- (2) IOM (M008) in Right AIMS.
- (3) Wiring.

D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	6	C34439	WXR L R/T

E. Related Data

- (1) WDM 31-41-32

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.

NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

G. 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 WXR radar processor, M34434.

These are the tasks:

WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,

WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.

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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 (M008) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 WXR radar processor, M34434. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
 - (b) Remove the IOM (M008) module from 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 D6706 at the E2-1 shelf and connector DM34434AB at the left WXR radar processor WDM 31-41-32.

D6706	DM34434AB
pin 34	pin G12
pin 58	pin G13
- (4) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the IOM (M008) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - (c) Re-install the left WXR radar processor, M34434. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - (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** —————

851. L WXR Input Failure from R Radio Altimeter XCVR on ARINC Bus 429 - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50007.

B. Description

- (1) This task is for maintenance message: 34-50007.
- (2) WXR Radar Processor (Left) has no input from Radio Altimeter Transceiver (Right) on ARINC 429 Bus.

C. Possible Causes

- (1) WXR Radar Processor (Left), M34434.
- (2) Radio Altimeter Transceiver (Right), M34212.
- (3) Wiring.

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D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	6	C34439	WXR L R/T

E. Related Data

- (1) WDM 34-33-21

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
- (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.
- NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
- (b) If the test fails, then do the Fault Isolation Procedure below.

G. 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 WXR radar processor, M34434.
- These are the tasks:
- WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
- (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.
- (2) Replace the Radio Altimeter Transceiver (Right), 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 WXR radar processor, M34434. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
- (b) Remove the Radio Altimeter Transceiver (Right), M34212. 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 DM34212AB at the Right Radio Altimeter XCVR and connector DM34434AB at the left WXR radar processor (WDM 34-33-21).

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DM34212AB

pin G2 pin A5
pin G3 pin A6

DM34434AB

- (4) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the Radio Altimeter Transceiver (Right), M34212. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
 - (c) Re-install the left WXR radar processor, M34434. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - (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 —————

852. R WXR Input Failure from L Radio Altimeter XCVR on ARINC Bus 429 - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50008.

B. Description

- (1) This task is for maintenance message: 34-50008.
- (2) WXR Radar Processor (Right) has no input from Radio Altimeter Transceiver (Left) on ARINC 429 Bus.

C. Possible Causes

- (1) WXR Radar Processor (Right), M34436.
- (2) Radio Altimeter Transceiver (Left), M34112.
- (3) Wiring.

D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	16	C34438	WXR R R/T

E. Related Data

- (1) WDM 34-33-11

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.
NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

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G. 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 WXR radar processor, M34436.

These are the tasks:

WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,

WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.

- (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.

- (2) Replace the Radio Altimeter Transceiver (Left), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 WXR radar processor, M34436. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
- (b) Remove the Radio Altimeter Transceiver (Left), M34112. 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 Left Radio Altimeter XCVR and connector DM34436AB at the right WXR radar processor (WDM 34-33-11).

DM34112AB

pin G2 pin A5
pin G3 pin A6

DM34436AB

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

- (a) Repair the wiring.
- (b) Re-install the Radio Altimeter Transceiver (Left), M34112. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
- (c) Re-install the right WXR radar processor, M34436. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
- (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** —————

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853. L WXR Input Failure from L AIMS on General Purpose Bus 3 - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50009.

B. Description

- (1) This task is for maintenance message: 34-50009.
- (2) WXR Radar Processor (Left) has no input from Left AIMS on General Purpose Bus 3.

C. Possible Causes

- (1) WXR Radar Processor (Left), M34434.
- (2) IOM (M003) in Left AIMS.
- (3) Wiring.

D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	6	C34439	WXR L R/T

E. Related Data

- (1) WDM 31-41-21

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.

NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

G. 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 WXR radar processor, M34434.

These are the tasks:
WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.

 - (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.
- (2) Replace the IOM (M003) module in the left AIMS cabinet, M31101.

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.
- (3) Do this check of the wiring:
 - (a) Remove the left WXR radar processor, M34434. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
 - (b) Remove the IOM (M003) module from the left AIMS cabinet, M31101. 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 D6618 at the E3-1 shelf and connector DM34434AB at the left WXR radar processor (WDM 31-41-21).

D6618

pin 51 pin K11
pin 52 pin K12

DM34434AB

- (4) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the IOM (M003) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - (c) Re-install the left WXR radar processor, M34434. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - (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 —————

854. R WXR Input Failure from R AIMS on General Purpose Bus 3 - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50010.

B. Description

- (1) This task is for maintenance message: 34-50010.
- (2) WXR Radar Processor (Right) has no input from Right AIMS on General Purpose Bus 3.

C. Possible Causes

- (1) WXR Radar Processor (Right), M34436.
- (2) IOM (M003) in Right AIMS.
- (3) Wiring.

D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	16	C34438	WXR R R/T

E. Related Data

- (1) WDM 31-41-23

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F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.

NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

G. 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 WXR radar processor, M34436.

These are the tasks:
WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.

 - (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.
- (2) Replace the IOM (M003) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 WXR radar processor, M34436. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
 - (b) Remove IOM (M003) module 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 D6718 at the E2-1 shelf and connector DM34436AB at the right WXR radar processor WDM 31-41-23.

D6718	DM34436AB
pin 51	pin J9
pin 52	pin J10
- (4) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the IOM (M003) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (c) Re-install the right WXR radar processor, M34436. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
- (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 —————

855. L WXR Input Failure from L AIMS on IRS Xmtr HS Bus 704 - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50011.

B. Description

- (1) This task is for maintenance message: 34-50011.
- (2) WXR Radar Processor (Left) has no input from Left AIMS on 704 IRS Xmtr HS Bus.

C. Possible Causes

- (1) WXR Radar Processor (Left), M34434.
- (2) IOM (M008) in Left AIMS.
- (3) Wiring.

D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	6	C34439	WXR L R/T

E. Related Data

- (1) WDM 31-41-31

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.
NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

G. 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 WXR radar processor, M34434.
These are the tasks:
WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.

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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 (M008) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 WXR radar processor, M34434. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
 - (b) Remove the IOM (M008) module from the left AIMS cabinet, M31101. 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 D6606 at the E3-1 shelf and connector DM34434AB at the left WXR radar processor (WDM 31-41-31).

D6606	DM34434AB
pin 34	pin J11
pin 58	pin J12
- (4) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the IOM (M008) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - (c) Re-install the left WXR radar processor, M34434. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - (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** —————

856. R WXR Input Failure from R AIMS on ARINC 429 HS IRS Gateway-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50012.

B. Description

- (1) This task is for maintenance message: 34-50012.
- (2) WXR Radar Processor (Right) has no input from Right AIMS on ARINC 429 HS IRS Gateway-R.

C. Possible Causes

- (1) WXR Radar Processor (Right), M34436.
- (2) IOM (M008) in Right AIMS.
- (3) Wiring.

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D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	16	C34438	WXR R R/T

E. Related Data

- (1) WDM 31-61-44

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
- (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.
- NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
- (b) If the test fails, then do the Fault Isolation Procedure below.

G. 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 WXR radar processor, M34436.
- These are the tasks:
- WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
- (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.
- (2) Replace the IOM (M008) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 WXR radar processor, M34436. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
- (b) Remove IOM (M008) module 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 D6706 at the E2-1 shelf and connector DM34436AB at the right WXR radar processor WDM 31-61-44.

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D6706

pin 34 pin J11
pin 58 pin J12

DM34436AB

- (4) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the IOM (M008) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - (c) Re-install the right WXR radar processor, M34436. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - (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

857. L WXR Input Failure from L Radio Altimeter XCVR on ARINC Bus 429 - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50013.

B. Description

- (1) This task is for maintenance message: 34-50013.
- (2) WXR Radar Processor (Left) has no input from Radio Altimeter Transceiver (Left) on ARINC 429 Bus.

C. Possible Causes

- (1) WXR Radar Processor (Left), M34434.
- (2) Radio Altimeter Transceiver (Left), M34112.
- (3) Wiring.

D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	6	C34439	WXR L R/T

E. Related Data

- (1) WDM 34-33-11

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.

NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

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G. 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 WXR radar processor, M34434.

These are the tasks:

WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,

WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.

- (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.

- (2) Replace the Radio Altimeter Transceiver (Left), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 WXR radar processor, M34434. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
- (b) Remove the Radio Altimeter Transceiver (Left), M34112. 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 Left Radio Altimeter XCVR and connector DM34434AB at the left WXR radar processor (WDM 34-33-11).

DM34112AB

pin G2 pin C1
pin G3 pin C2

DM34434AB

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

- (a) Repair the wiring.
- (b) Re-install the Radio Altimeter Transceiver (Left), M34112. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
- (c) Re-install the left WXR radar processor, M34434. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
- (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** —————

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858. R WXR Input Failure from R Radio Altimeter XCVR on ARINC Bus 429 - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50014.

B. Description

- (1) This task is for maintenance message: 34-50014.
(2) WXR Radar Processor (Right) has no input from Radio Altimeter Transceiver (Right) on ARINC 429 Bus.

C. Possible Causes

- (1) WXR Radar Processor (Right), M34436.
(2) Radio Altimeter Transceiver (Right), M34212.
(3) Wiring.

D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	16	C34438	WXR R R/T

E. Related Data

- (1) WDM 34-33-21

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
(a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.
NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
(b) If the test fails, then do the Fault Isolation Procedure below.

G. 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 WXR radar processor, M34436.
These are the tasks:
WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
(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.
(2) Replace the Radio Altimeter Transceiver (Right), M34212.
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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 WXR radar processor, M34436. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
 - (b) Remove the Radio Altimeter Transceiver (Right), M34212. 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 DM34212AB at the Right Radio Altimeter XCVR and connector DM34436AB at the right WXR radar processor(WDM 34-33-21).

DM34212AB

pin G2 pin C1
pin G3 pin C2

DM34436AB

- (4) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the Radio Altimeter Transceiver (Right), M34212. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
 - (c) Re-install the right WXR radar processor, M34436. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - (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** —————

859. L WXR Input Failure from L AIMS on L General Purpose 2 LS Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50015.

B. Description

- (1) This task is for maintenance message: 34-50015.
- (2) WXR Radar Processor (Left) has no input from Left AIMS on General Purpose Bus 2 Left LS Bus.

C. Possible Causes

- (1) WXR Radar Processor (Left), M34434.
- (2) IOM (M003) in Left AIMS.
- (3) Wiring.

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D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	6	C34439	WXR L R/T

E. Related Data

- (1) WDM 31-41-22

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
- (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.
- NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
- (b) If the test fails, then do the Fault Isolation Procedure below.

G. 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 WXR radar processor, M34434.
- These are the tasks:
- WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
- (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.
- (2) Replace the IOM (M003) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 WXR radar processor, M34434. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
- (b) Remove the IOM (M003) module from the left AIMS cabinet, M31101. 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 D6618 at the E3-1 shelf and connector DM34434AB at the left WXR radar processor WDM 31-41-22.

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D6618

pin 34 pin B3
pin 58 pin B4

DM34434AB

- (4) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the IOM (M003) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - (c) Re-install the left WXR radar processor, M34434. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - (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 —————

860. R WXR Input Failure from L AIMS on L General Purpose 2 LS Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50016.

B. Description

- (1) This task is for maintenance message: 34-50016.
- (2) WXR Radar Processor (Right) has no input from Left AIMS on General Purpose Bus 2 Left LS Bus.

C. Possible Causes

- (1) WXR Radar Processor (Right), M34436.
- (2) IOM (M003) in Left AIMS.
- (3) Wiring.

D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	16	C34438	WXR R R/T

E. Related Data

- (1) WDM 31-41-22

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.

NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

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G. 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 WXR radar processor, M34436.

These are the tasks:

WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,

WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.

- (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.
- (2) Replace the IOM (M003) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 WXR radar processor, M34436. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
- (b) Remove IOM (M003) module 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) Do a wiring check between these pins of connector D6618 at the E3-1 shelf and connector DM34436AB at the right WXR radar processor WDM 31-41-22.

D6618

pin 34 pin B3
pin 58 pin B4

DM34436AB

- (4) If you find a problem with the wiring, then do these steps:
- (a) Repair the wiring.
- (b) Re-install the IOM (M003) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (c) Re-install the right WXR radar processor, M34436. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
- (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** —————

861. L WXR Input Failure from R AIMS on R General Purpose 2 LS Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50017.

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B. Description

- (1) This task is for maintenance message: 34-50017.
- (2) WXR Radar Processor (Left) has no input from Right AIMS on General Purpose Bus 2 Right LS Bus.

C. Possible Causes

- (1) WXR Radar Processor (Left), M34434.
- (2) IOM (M003) in Right AIMS.
- (3) Wiring.

D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	6	C34439	WXR L R/T

E. Related Data

- (1) WDM 31-41-24

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.

NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

G. 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 WXR radar processor, M34434.

These are the tasks:

WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.

 - (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.
- (2) Replace the IOM (M003) module 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) 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 left WXR radar processor, M34434. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
 - (b) Remove the IOM (M003) module from 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 D6718 at the E2-1 shelf and connector DM34434AB at the left WXR radar processor (WDM 31-41-24).

D6718

pin 34 pin J3
pin 58 pin J4

DM34434AB

- (4) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the IOM (M003) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - (c) Re-install the left WXR radar processor, M34434. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - (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 —————

862. R WXR Input Failure from R AIMS on R General Purpose 2 LS Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50018.

B. Description

- (1) This task is for maintenance message: 34-50018.
- (2) WXR Radar Processor (Right) has no input from Right AIMS on General Purpose Bus 2 Right LS Bus.

C. Possible Causes

- (1) WXR Radar Processor (Right), M34436.
- (2) IOM (M003) in Right AIMS.
- (3) Wiring.

D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	16	C34438	WXR R R/T

E. Related Data

- (1) WDM 31-41-24

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F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.

NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

G. 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 WXR radar processor, M34436.

These are the tasks:
WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.

 - (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.
- (2) Replace the IOM (M003) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 WXR radar processor, M34436. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
 - (b) Remove IOM (M003) module 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 D6718 at the E2-1 shelf and connector DM34436AB at the right WXR radar processor WDM 31-41-24.

D6718	DM34436AB
pin 34	pin J3
pin 58	pin J4
- (4) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the IOM (M003) module. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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- (c) Re-install the right WXR radar processor, M34436. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
- (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

863. L WXR Control Panel Failure - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50019.

B. Description

- (1) This task is for maintenance message: 34-50019.
- (2) WXR Radar Processor (Left) has no output or is failed.

C. Possible Causes

- (1) WXR Control Panel, M34025.
- (2) WXR Radar Processor (Left), M34434.
- (3) Wiring.

D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	6	C34439	WXR L R/T

E. Related Data

- (1) WDM 34-43-11

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.
NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

G. 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 WXR control panel, M34025.

These are the tasks:

WXR Control Panel Removal, AMM TASK 34-43-01-000-801,

WXR Control Panel Installation, AMM TASK 34-43-01-400-801.

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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 left WXR radar processor, M34434.
These are the tasks:
WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - (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) Remove the WXR control panel, M34025. To remove it, do this task: WXR Control Panel Removal, AMM TASK 34-43-01-000-801.
- (4) Do a check for 28 VDC from pin K of connector DM34025A, at the WXR control panel to structure ground (WDM 34-43-11).
- (5) If there is not 28 VDC at pin K of connector DM34025A, then do these steps:
 - (a) Do a check for 28 VDC from pin C6 of connector DM34434AB at the left WXR radar processor to structure ground.
 - 1) If there is not 28 VDC at pin C6, replace the left WXR radar processor, M34434.
These are the tasks:
WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - 2) Re-install the WXR control panel, M34025. To install it, do this task: WXR Control Panel Installation, AMM TASK 34-43-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If there is 28 VDC at pin C6 of connector DM34434AB, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the WXR control panel, M34025. To install it, do this task: WXR Control Panel Installation, AMM TASK 34-43-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (6) If there is 28 VDC at pin K of connector DM34025A, then continue.
- (7) Do this check of the wiring:
 - (a) Remove the left WXR radar processor, M34434. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
 - (b) Do a wiring check between these pins of connector DM34434AB at the left WXR radar processor and connector DM34025A at the WXR control panel (WDM 34-43-11).

DM34434AB		DM34025A
pin B7		pin H
pin B8		pin J
- (8) If you find a problem with the wiring, then do these steps:

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- (a) Repair the wiring.
- (b) Re-install the WXR control panel, M34025. To install it, do this task: WXR Control Panel Installation, AMM TASK 34-43-01-400-801.
- (c) Re-install the left WXR radar processor, M34434. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
- (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** —————

864. **R WXR Control Panel Failure - Fault Isolation**

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50020.

B. Description

- (1) This task is for maintenance message: 34-50020.
- (2) WXR Radar Processor (Right) has no output or is failed.

C. Possible Causes

- (1) WXR Control Panel, M34025.
- (2) WXR Radar Processor (Right), M34436.
- (3) Wiring.

D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	16	C34438	WXR R R/T

E. Related Data

- (1) WDM 34-43-21

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.
NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

G. 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 WXR control panel, M34025.

These are the tasks:

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WXR Control Panel Removal, AMM TASK 34-43-01-000-801,

WXR Control Panel Installation, AMM TASK 34-43-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 WXR radar processor, M34436.
These are the tasks:
WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - (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) Remove the WXR control panel, M34025. To remove it, do this task: WXR Control Panel Removal, AMM TASK 34-43-01-000-801.
- (4) Do a check for 28 VDC from pin K of connector DM34025A, at the WXR control panel to structure ground (WDM 34-43-22).
- (5) If there is not 28 VDC at pin K of connector DM34025A, then do these steps:
 - (a) Do a check for 28 VDC from pin C6 of connector DM34436AB at the right WXR radar processor to structure ground.
 - 1) If there is not 28 VDC at pin C6, replace the right WXR radar processor, M34436.
These are the tasks:
WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - 2) Re-install the WXR control panel, M34025. To install it, do this task: WXR Control Panel Installation, AMM TASK 34-43-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If there is 28 VDC at pin C6 of connector DM34436AB, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the WXR control panel, M34025. To install it, do this task: WXR Control Panel Installation, AMM TASK 34-43-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (6) If there is 28 VDC at pin K of connector DM34025A, then continue.
- (7) Do this check of the wiring:
 - (a) Remove the right WXR radar processor, M34436. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
 - (b) Do a wiring check between these pins of connector DM34436AB at the right WXR radar processor and connector DM34025A at the WXR control panel (WDM 34-43-21).

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DM34436AB

pin B7 pin H
pin B8 pin J

DM34025A

- (8) If you find a problem with the wiring, then do these steps:
- (a) Repair the wiring.
 - (b) Re-install the WXR control panel, M34025. To install it, do this task: WXR Control Panel Installation, AMM TASK 34-43-01-400-801.
 - (c) Re-install the right WXR radar processor, M34436. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - (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. L WXR Antenna Drive Failure - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50021.

B. Description

- (1) This task is for maintenance message: 34-50021.
(2) WXR Antenna Drive is not connected or is failed.

C. Possible Causes

- (1) WXR Antenna Drive, M34433.
(2) WXR Transceiver (Left), M34438.
(3) WXR Radar Processor (Left), M34434.
(4) WXR Antenna.
(5) Wiring.

D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	6	C34439	WXR L R/T

E. Related Data

- (1) WDM 34-43-12

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel (AMM TASK 34-43-03-400-803).
- (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.
NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

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G. 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 WXR antenna drive, M34433T.

These are the tasks:

WXR Antenna Drive Unit Removal, AMM TASK 34-43-03-000-802,

WXR Antenna Drive Unit Installation, AMM TASK 34-43-03-400-801.

- (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) Replace the left WXR transceiver, M34438.

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.

- (3) Replace the left WXR radar processor, M34434.

These are the tasks:

WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,

WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.

- (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.

- (4) Replace the WXR antenna.

These are the tasks:

WXR Antenna Flat Plate Removal, AMM TASK 34-43-03-000-801,

WXR Antenna Flat Plate Installation, AMM TASK 34-43-03-400-802.

- (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.

- (5) Wiring check:

- (a) Do this check of the wiring:

- 1) Remove the left WXR radar processor, M34434. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
- 2) Do a wiring check between these pins of connector DM34434AA at the left WXR Processor and connector DM34438B at the WXR Transceiver(WDM 34-43-12).

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DM34434AA	DM34438B
pin 1T	pin Z
pin 2T	pin W

- 3) Do a wiring check between these pins of connector DM34434AB at the left WXR radar processor and connector DM34438B at the left WXR transceiver (WDM 34-43-12).

DM34434AB	DM34438B
pin C13	pin T
pin C14	pin U
pin E13	pin B
pin E14	pin C

- 4) Do a wiring check between these pins of connector DM34434AC at the left WXR radar processor and connector DM34438B at the left WXR transceiver (WDM 34-43-12WDM 34-43-12).

DM34434AC	DM34438B
pin 3	pin V
pin 8	pin AA

- (6) If you find a problem with the wiring, then do these steps:
- (a) Repair the wiring.
 - (b) Re-install the left WXR radar processor, M34434. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - (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** —————

866. R WXR Antenna Drive Failure - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50022.

B. Description

- (1) This task is for maintenance message: 34-50022.
(2) WXR Antenna Drive is not connected or is failed.

C. Possible Causes

- (1) WXR Antenna Drive, M34433.
- (2) WXR Transceiver (Right), M34439.
- (3) WXR Radar Processor (Right), M34436.
- (4) WXR Antenna.
- (5) Wiring.

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D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	16	C34438	WXR R R/T

E. Related Data

- (1) WDM 34-43-22

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
- (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.
- NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
- (b) If the test fails, then do the Fault Isolation Procedure below.

G. Fault Isolation Procedure

- (1) Replace the WXR antenna drive, M34433T.
- These are the tasks:
- WXR Antenna Drive Unit Removal, AMM TASK 34-43-03-000-802,
WXR Antenna Drive Unit Installation, AMM TASK 34-43-03-400-801.
- (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) Replace the right WXR transceiver, M34439.
- 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.
- (3) Replace the right WXR radar processor, M34436.
- These are the tasks:
- WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
- (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.
- (4) Replace the WXR antenna.
- These are the tasks:
- WXR Antenna Flat Plate Removal, AMM TASK 34-43-03-000-801,

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WXR Antenna Flat Plate Installation, AMM TASK 34-43-03-400-802.

- (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.
- (5) Wiring check:
 - (a) Do this check of the wiring:
 - 1) Remove the right WXR radar processor, M34436. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
 - 2) Do a wiring check between these pins of connector DM34436AA at the right WXR processor and connector DM34439B at the right WXR transceiver.(WDM 34-43-22).

DM34436AA	DM34439B
pin 1T	pin Z
pin 2T	pin W

 - 3) Do a wiring check between these pins of connector DM34436AB at the right WXR radar processor and connector DM34439B at the right WXR transceiver (WDM 34-43-22).

DM34436AB	DM34439B
pin C13	pin T
pin C14	pin U
pin E13	pin B
pin E14	pin C

 - 4) Do a wiring check between these pins of connector DM34436AC at the right WXR processor and connector DM34439B at the right WXR transceiver.(WDM 34-43-22).

DM34436AC	DM34439B
pin 3	pin V
pin 8	pin AA
- (6) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the right WXR radar processor, M34436. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - (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** —————

867. L WXR Radar Processor Failure - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50023.

B. Description

- (1) This task is for maintenance message: 34-50023.
- (2) WXR Radar Processor (Left) has an internal fault.

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C. Possible Causes

- (1) WXR Radar Processor (Left), M34434.
- (2) 64 MHz Coaxial Cable
- (3) WXR Transceiver (Right), M34439

D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	6	C34439	WXR L R/T

E. Related Data

- (1) WDM 34-43-11

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.

NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

G. 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 WXR radar processor, M34434.

These are the tasks:
WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.

 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (2) Do a check of the Coaxial Cable.
 - (a) Use the time domain reflectometer, COM-5187 to test the coaxial cable. Refer to the Time Domain Reflectometer (TDR) instruction manual for information on how to test the coaxial cable.
- (3) Replace the right WXR transceiver, M34439.

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.

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

————— END OF TASK —————

868. R WXR Radar Processor Failure - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50024.

B. Description

- (1) This task is for maintenance message: 34-50024.
(2) WXR Radar Processor (Right) has an internal fault.

C. Possible Causes

- (1) WXR Radar Processor (Right), M34436.
(2) 64 MHz Coaxial Cable
(3) WXR Transceiver (Left), M34438

D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	16	C34438	WXR R R/T

E. Related Data

- (1) WDM 34-43-21

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
- (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.
- NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
- (b) If the test fails, then do the Fault Isolation Procedure below.

G. 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 WXR radar processor, M34436.

These are the tasks:

WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,

WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (2) Do a check of the Coaxial Cable.

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- (a) Use the time domain reflectometer, COM-5187 to test the coaxial cable. Refer to the Time Domain Reflectometer (TDR) instruction manual for information on how to test the coaxial cable.
- (3) Replace the left WXR transceiver, M34438.
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.

————— **END OF TASK** —————

869. L WXR Transceiver Failure - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50025.

B. Description

- (1) This task is for maintenance message: 34-50025.
- (2) WXR transceiver (Left) is not connected or is failed.

C. Possible Causes

- (1) WXR Transceiver (Left), M34438.
- (2) WXR Radar Processor (Left), M34434.
- (3) Wiring.

D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	6	C34439	WXR L R/T

E. Related Data

- (1) WDM 34-43-12

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.
NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

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G. 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 WXR transceiver, M34438.

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.

- (2) Replace the left WXR radar processor, M34434.

These are the tasks:

WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,

WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.

- (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) Do this check of the wiring:

- (a) Remove the left WXR transceiver, M34438. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
- (b) Remove the left WXR radar processor, M34434. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
- (c) Do a wiring check between these pins of connector DM34438B at the left WXR transceiver and connector DM34434AB at the left WXR radar processor (WDM 34-43-12).

DM34438B

pin B

pin C

pin T

pin U

DM34434AB

pin E13

pin E14

pin C13

pin C14

- (d) Do a wiring check between these pins of connector DM34438B at the left WXR transceiver and connector DM34434AA at the left WXR radar processor (WDM 34-43-12)WDM 34-43-12.

DM34438B

pin z

pin w

DM34434AA

pin 1T

pin 2T

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

- (a) Repair the wiring.
- (b) Re-install the left WXR transceiver, M34438. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.

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- (c) Re-install the left WXR radar processor, M34434. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
- (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** —————

870. R WXR Transceiver Failure - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50026.

B. Description

- (1) This task is for maintenance message: 34-50026.
- (2) WXR transceiver (Right) is not connected or is failed.

C. Possible Causes

- (1) WXR Transceiver (Right), M34439.
- (2) WXR Radar Processor (Right), M34436.
- (3) Wiring.

D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	16	C34438	WXR R R/T

E. Related Data

- (1) WDM 34-43-22

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.

NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

G. 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 WXR transceiver, M34439.

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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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 WXR radar processor, M34436.
These are the tasks:
WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - (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) Do this check of the wiring:
 - (a) Remove the right WXR transceiver, M34439. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
 - (b) Remove the right WXR radar processor, M34436. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
 - (c) Do a wiring check between these pins of connector DM34439B at the right WXR transceiver and connector DM34436AB at the right WXR radar processor (WDM 34-43-22).

DM34439B

pin B	.....	pin E13
pin C	.....	pin E14
pin T	.....	pin C13
pin U	.....	pin C14

DM34436AB

- (d) Do a wiring check between these pins of connector DM34439B at the right WXR transceiver and connector DM34436AA at the right WXR radar processor (WDM 34-43-22)WDM 34-43-22.

DM34439B

pin z	.....	pin 1T
pin w	.....	pin 2T

DM34436AA

- (4) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the right WXR transceiver, M34439. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
 - (c) Re-install the right WXR radar processor, M34436. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - (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 —————

871. L EGPWS Bus Failure - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50027.

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B. Description

- (1) This task is for maintenance message: 34-50027.
- (2) EGPWS data bus is not connected or is failed.

C. Possible Causes

- (1) EGPWS, M34004.
- (2) WXR Radar Processor (Left), M34434.
- (3) Wiring.

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>
D	12	C34633	TERR DSPL
E	6	C34439	WXR L R/T

E. Related Data

- (1) WDM 34-43-13

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
 - (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.

NOTE: The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
 - (b) If the test fails, then do the Fault Isolation Procedure below.

G. 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 EGPWS, 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.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left WXR radar processor, M34434.

These are the tasks:

WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,

WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.

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

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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 EGPWS, M34004. To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
 - (b) Remove the left WXR radar processor, M34434. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
 - (c) Do a wiring check between these pins of connector DM34004AA at the EGPWS, M34004 and connector DM34434AB at the left WXR radar processor, M34434 WDM 34-43-13.

DM34004AA

pin B12
pin A5
pin A6
pin A2
pin B2

DM34434AB

pin F1
pin J5
pin J6
pin G9
pin H9

- (4) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Re-install the EGPWS, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
 - (c) Re-install the left WXR radar processor, M34434. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - (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** —————

872. R EGPWS Bus Failure - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-50028.

B. Description

- (1) This task is for maintenance message: 34-50028.
- (2) EGPWS data bus is not connected or is failed.

C. Possible Causes

- (1) EGPWS, M34004.
- (2) WXR Radar Processor (Right), M34436.
- (3) Wiring.

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>
D	12	C34633	TERR DSPL
E	16	C34438	WXR R R/T

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E. Related Data

- (1) WDM 34-43-23

F. Initial Evaluation

- (1) Do the WXR self test from the WXR Control Panel.
- (a) If the test passes (i.e. TEST COMPLETE and no active EICAS or Navigation Display weather radar failure messages), you have corrected the problem.
- NOTE:** The operator is advised to monitor the EICAS and Navigation Displays for failure messages for up to 20 seconds after completion of the test before the WXR switch is pushed or selection of another WXR mode of operation.
- (b) If the test fails, then do the Fault Isolation Procedure below.

G. 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 EGPWS, 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.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right WXR radar processor, M34436.
- These are the tasks:
- WXR Radar Processor Removal, AMM TASK 34-43-09-000-801,
WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
- (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) Do this check of the wiring:
- (a) Remove the EGPWS, M34004. To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
- (b) Remove the right WXR radar processor, M34436. To remove it, do this task: WXR Radar Processor Removal, AMM TASK 34-43-09-000-801.
- (c) Do a wiring check between these pins of connector DM34004AA at the EGPWS, M34004 and connector DM34436AB at the right WXR radar processor, M34436 (WDM 34-43-23).

DM34004AA

pin B12
pin A4
pin B4
pin A2
pin B2

DM34436AB

pin F1
pin J5
pin J6
pin G9
pin H9

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- (4) If you find a problem with the wiring, then do these steps:
- (a) Repair the wiring.
 - (b) Re-install the EGPWS, M34004. To install it, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
 - (c) Re-install the right WXR radar processor, M34436. To install it, do this task: WXR Radar Processor Installation, AMM TASK 34-43-09-400-801.
 - (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** ————

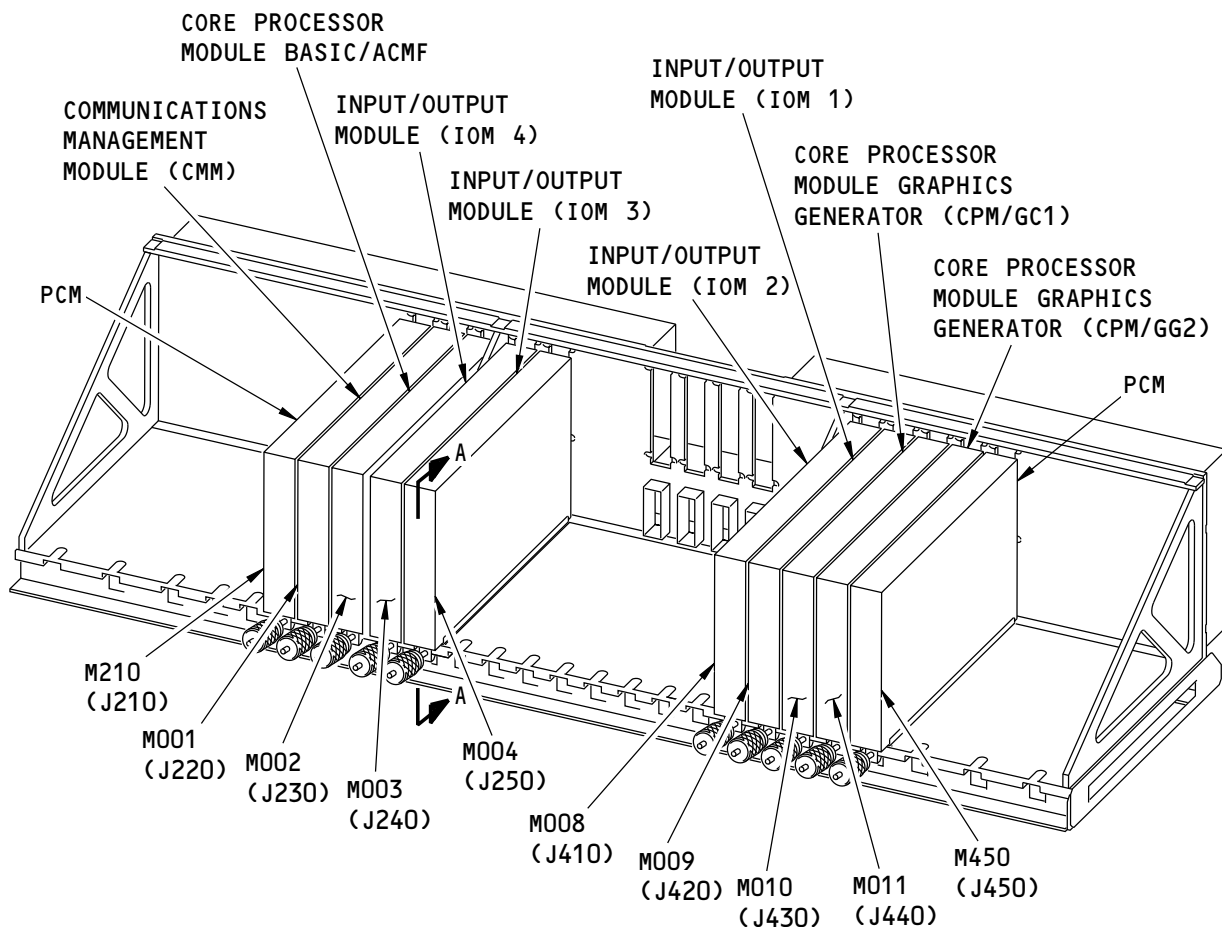
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ELECTRONIC EQUIPMENT RACK

2178748 S0000480931_V1

Airplane Information Management System (AIMS) Overview
Figure 301/34-43-00-990-801 (Sheet 1 of 2)

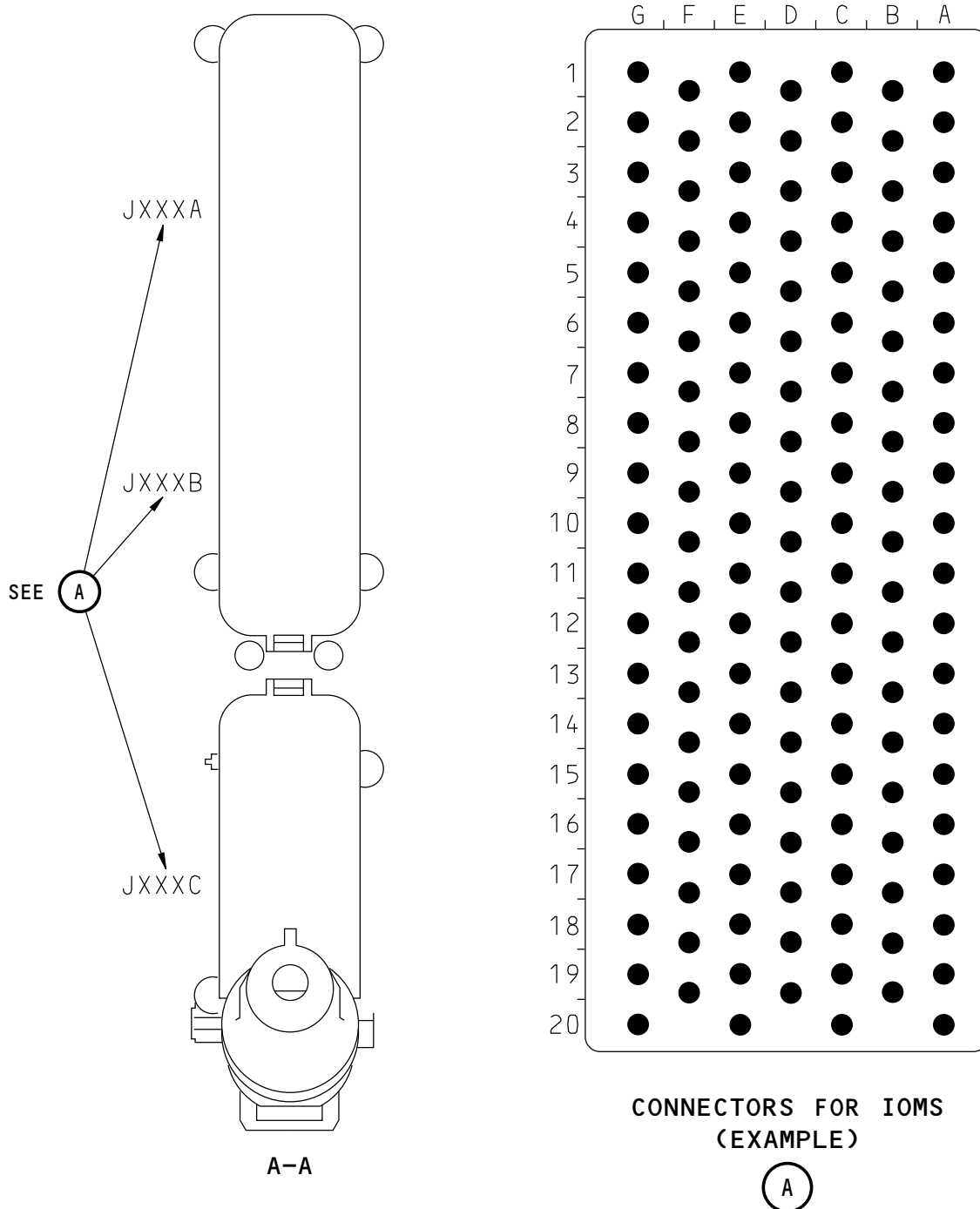
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NOTE: XXX = CONNECTOR NUMBER

2179065 S0000481152_V1

Airplane Information Management System (AIMS) Overview
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801. Traffic Alert and Collision Avoidance System Computer Problem - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-45010.

B. Initial Evaluation

- (1) If the Maintenance Access Terminal (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: 34 Traffic Alert and Collision Avoidance System, SYSTEM TEST, TCAS (How to Do a Ground Test, AMM TASK 45-10-00-740-819).
 - (a) If the maintenance message does not show on the Ground Test Display, then there was an intermittent fault.
 - (b) If the maintenance message shows on the Ground Test Display, 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

ARO 001, 002, 004-999; ARO 003 (POST SB 777-31-0227 AND PRE SB 777-31-0264 AND PRE SB 777-31-0218) OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218

- (1) Use a MAT to do a Software Configuration Check of the TCAS Computer:

NOTE: Make sure that you know the correct Software Part Number for the TCAS Computer when you look at the Software Part Number on the display. For the TCAS Computer to be an approved installation, the correct Software Part Number must be installed.

- (a) Make these selections on the MAT:
 - 1) ONBOARD MAINTENANCE
 - 2) LINE MAINTENANCE
 - 3) SYSTEM CONFIGURATION
 - 4) 34 Traffic Alert and Collision Avoidance System
 - 5) CONTINUE
 - (b) Find TCAS COMPUTER on the display and make sure that the Software Part Number is correct.
 - (c) Select GO BACK to remove the SYSTEM CONFIGURATION Display.
- (2) If the part number is incorrect, do this task: TCAS Computer Software Installation, AMM TASK 34-45-01-400-802.
 - (a) Do the Repair Confirmation at the end of this task.

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- (3) Replace the DME/ATC/TCAS Suppression Splitter, B34001 (WDM 34-45-11).

NOTE: Use standard industry practices to replace the unit.

- (a) Do the Repair Confirmation at the end of this task.
- (4) If the problem continues, do a wiring check between the DME/ATC/TCAS Suppression Splitter and the TCAS Computer.
 - (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.

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- (b) Do a wiring check between the DME/ATC/TCAS Suppression Splitter and the Traffic Alert and Collision Avoidance System (TCAS) connector DM34006AC at the E1-2 Shelf as follows (WDM 34-45-11):

Suppression Splitter	TCAS
DB34001E	DM34006AC
pin A1	pin 12

- (c) If you find problems with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the TCAS Computer, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
 - 3) Do the Repair Confirmation at the end of this task.
- (5) Replace the TCAS Computer, M34006, at the E1-2 Shelf. 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) Do the Repair Confirmation at the end of this task.

D. Repair Confirmation

- (1) Do this Ground Test on the MAT: 34 Traffic Alert and Collision Avoidance System, SYSTEM TEST, TCAS.
- (a) If the maintenance message does not show on the Ground Test Display, you corrected the fault.
- (b) If the maintenance message still shows, then continue the Fault Isolation Procedure at the subsequent step.

————— END OF TASK —————

802. TCAS Top Antenna Problem - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-45020.

B. 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 ground tests on the MAT: 34 Traffic Alert and Collision Avoidance System, System Test, TCAS.
- (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.
- (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



YOU MUST PUT RF ABSORBENT MATERIAL ON THE ANTENNA BEFORE YOU USE THE TDR TEST SET. YOU CAN DAMAGE THE TEST SET IF A HIGH POWER TRANSMITTER OPERATES WITHIN 500 FEET OF THE ANTENNA.

- (1) Cover the antenna with RF absorbent material.
- (2) Use a time domain reflectometer (TDR) test set to do an electrical check of the coaxial cable and antenna:
 - (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (b) Connect the TDR test set at pins C1, C2, C3, C4 of connector DM34006AA at the E1-2 shelf (WDM 34-45-11).
 - (c) Do an electrical check of the coaxial cable and the antenna:

NOTE: The TDR test set has instructions which tell how to perform the check of the cable and antenna.
 - (d) Disconnect the TDR test set.
- (3) If you find a problem with the coaxial cable, then do these steps:
 - (a) Replace the coaxial cable (WDM 34-45-11).
 - (b) Re-install the TCAS computer. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
 - (c) Do this ground test on the MAT: 34 Traffic Alert and Collision Avoidance System, System Test, TCAS.
 - 1) If the maintenance message does not show on the ground test display, then you corrected the fault.
 - 2) If the maintenance message shows on the ground test display, then continue.
- (4) If you find a problem with the antenna, then do these steps:
 - (a) Measure the TCAS antenna loop resistances.
 - 1) Disconnect the antenna connectors DM3412A, DM3412B, DM3412C, and DM3412D, (WDM 34-45-11).
 - 2) Measure the resistance between antenna pins A1 and C1 on J1, J2, J3, and J4.
 - a) J1 (YELLOW) shall measure 1.800K ohms, +/- 5% (or, 1.710K ohms to 1.890K ohms).
 - b) J2 (BLACK) shall measure 3.900K ohms, +/- 5% (or, 3.705K ohms to 4.095K ohms).
 - c) J3 (BLUE) shall measure 6.800K ohms, +/- 5% (or, 6.460K ohms to 7.140K ohms).
 - d) J4 (RED) shall measure 10.000K ohms, +/- 3% (or, 9.700K ohms to 10.300K ohms).
 - (b) If the antenna is unserviceable, then remove the antenna D34121, and install a serviceable antenna. These are the tasks:
 - TCAS Antenna Removal, AMM TASK 34-45-02-000-801
 - TCAS Antenna Installation, AMM TASK 34-45-02-400-801

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- (c) Re-install the TCAS computer. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
- (d) Do this ground test on the MAT: 34 Traffic Alert and Collision Avoidance System, System Test, TCAS.
 - 1) If the maintenance message does not show on the ground test display, then you corrected the fault.
 - 2) If the maintenance message shows on the ground test display, then continue.
- (5) If you do not find a problem with the coaxial cable or antenna, then 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
- (a) Do this ground test on the MAT: 34 Traffic Alert and Collision Avoidance System, System Test, TCAS.
 - 1) If the maintenance message does not show on the ground test display, then you corrected the fault.

————— END OF TASK —————

803. TCAS Bottom Antenna Problem - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-45030.

B. 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 ground tests on the MAT: 34 Traffic Alert and Collision Avoidance System, System Test, TCAS.
 - (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



YOU MUST PUT RF ABSORBENT MATERIAL ON THE ANTENNA BEFORE YOU USE THE TDR TEST SET. YOU CAN DAMAGE THE TEST SET IF A HIGH POWER TRANSMITTER OPERATES WITHIN 500 FEET OF THE ANTENNA.

- (1) Cover the antenna with RF absorbent material.
- (2) Use a time domain reflectometer (TDR) test set to do an electrical check of the coaxial cable and antenna:
 - (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (b) Connect the TDR test set at pins C1, C2, C3, C4 of connector DM34006AB at the E1-2 shelf (WDM 34-45-11).
 - (c) Do an electrical check of the coaxial cable and the antenna:

NOTE: The TDR test set has instructions which tell how to perform the check of the cable and antenna.

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- (d) Disconnect the TDR test set.
- (3) If you find a problem with the coaxial cable, then do these steps:
 - (a) Replace the coaxial cable (WDM 34-45-11).
 - (b) Re-install the TCAS computer. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
 - (c) Do this ground test on the MAT: 34 Traffic Alert and Collision Avoidance System, System Test, TCAS.
 - 1) If the maintenance message does not show on the ground test display, then you corrected the fault.
 - 2) If the maintenance message shows on the ground test display, then continue.
- (4) If you find a problem with the antenna, then do these steps:
 - (a) Measure the TCAS antenna loop resistances.
 - 1) Disconnect the antenna connectors DM3422A, DM3422B, DM3422C, and DM3422D, (WDM 34-45-11).
 - 2) Measure the resistance between antenna pins A1 and C1 on J1, J2, J3, and J4.
 - a) J1 (YELLOW) shall measure 1.800K ohms, +/- 5% (or, 1.710K ohms to 1.890K ohms).
 - b) J2 (BLACK) shall measure 3.900K ohms, +/- 5% (or, 3.705K ohms to 4.095K ohms).
 - c) J3 (BLUE) shall measure 6.800K ohms, +/- 5% (or, 6.460K ohms to 7.140K ohms).
 - d) J4 (RED) shall measure 10.000K ohms, +/- 3% (or, 9.700K ohms to 10.300K ohms).
 - (b) If the antenna is unserviceable, then remove the antenna M34221, and install a serviceable antenna. These are the tasks:
 - TCAS Antenna Removal, AMM TASK 34-45-02-000-801
 - TCAS Antenna Installation, AMM TASK 34-45-02-400-801
 - (c) Re-install the TCAS computer. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
 - (d) Do this ground test on the MAT: 34 Traffic Alert and Collision Avoidance System, System Test, TCAS.
 - 1) If the maintenance message does not show on the ground test display, then you corrected the fault.
 - 2) If the maintenance message shows on the ground test display, then continue.
- (5) If you find a problem with the antenna, then do these steps:
 - (a) Replace the antenna, M34221. These are the tasks:
 - TCAS Antenna Removal, AMM TASK 34-45-02-000-801
 - TCAS Antenna Installation, AMM TASK 34-45-02-400-801
 - (b) Re-install the TCAS computer. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
 - (c) Do this ground test on the MAT: 34 Traffic Alert and Collision Avoidance System, System Test, TCAS.

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- 1) If the maintenance message does not show on the ground test display, then you corrected the fault.
- 2) If the maintenance message shows on the ground test display, then continue.
- (6) If you do not find a problem with the coaxial cable or antenna, then 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
- (a) Do this ground test on the MAT: 34 Traffic Alert and Collision Avoidance System, System Test, TCAS.
 - 1) If the maintenance message does not show on the ground test display, then you corrected the fault.

————— END OF TASK —————

804. TCAS Computer No Input from Right ATC Transponder - 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 ATC transponder, M34207, at the E2-3 shelf.

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.
- (2) Replace the TCAS computer, M34006, at the E1-2 shelf.

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.
- (3) 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 this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (c) Do a wiring check between these pins of connector DM34207AA at the E2-3 shelf and connector DM34006AE at the E1-2 shelf (WDM 34-45-22).

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DM34207AA

pin G5 pin H14
pin H5 pin J14

DM34006AE

- (d) 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 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.

END OF TASK

805. TCAS Computer No Input from Left ATC Transponder - 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 ATC transponder, M34107, at the E1-3 shelf.

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.
- (2) 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 ATC transponder, M34107. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - (b) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (c) Do a wiring check between these pins of connector DM34107AA at the E1-3 shelf and connector DM34006AE at the E1-2 shelf (WDM 34-53-12).

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DM34107AA

pin G5
pin H5

DM34006AE

pin F14
pin G14

- (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 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.

END OF TASK

806. TCAS Has No Output On Any Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-45801.

B. Description

- (1) The TCAS has no output on any bus.

C. Possible causes

- (1) Circuit Breaker, C34441
- (2) TCAS Computer, M34006
- (3) TCAS/ATC Control panel, M34011.

D. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	4	C34441	TCAS

E. Related Data

- (1) WDM 34-45-11

F. Initial Evaluation

NOTE: For Collins TTR 920 Series TCAS Computers:

This maintenance message may be ignored if it is intermittent.

G. Fault Isolation Procedure

- (1) Do these steps to cycle power to the TCAS computer:
- (a)

Open this circuit breaker:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	4	C34441	TCAS

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- (b) Wait 30 seconds to close the TCAS circuit breaker.
- (c)

Close this circuit breaker:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	4	C34441	TCAS

- (d) Do the Repair Confirmation at the end of this task.
- (2) Replace the TCAS computer, M34006, at the E1-2. 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) Do the Repair Confirmation at the end of this task.
- (3) Replace the TCAS/ATC control panel, M34011, on the P8 panel. These are the tasks:
 - TCAS/ATC Control Panel Removal, AMM TASK 34-53-02-000-801
 - TCAS/ATC Control Panel Installation, AMM TASK 34-53-02-400-801
- (a) Do the Repair Confirmation at the end of this task.

H. Repair Confirmation

- (1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the problem.
- (2) If the problem still exists, continue the Fault Isolation Procedure at the subsequent step.

————— END OF TASK —————

807. TCAS Has No Output on TA/RA #1 Out Bus (429) - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-45891.

B. Initial Evaluation

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

NOTE: For Collins TTR 920 Series TCAS Computers:

This maintenance message may be ignored if it is intermittent.

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 TCAS computer, M34006, at the E1-2 shelf.
These are the tasks:
TCAS Computer Removal, AMM TASK 34-45-01-000-801,
TCAS Computer Installation, AMM TASK 34-45-01-400-801.

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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) Do this check of the wiring:
 - (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (b) Remove the IOM(M008) module in 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(M009) module in the left 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 DM34006AE at the E1-2 shelf and connectors J410-A and J420-A at the left AIMS cabinet (WDM 34-45-13).

DM34006AE	J410-A
pin C7	pin A13
pin D7	pin B13

DM34006AE	J420-A
pin C7	pin A13
pin D7	pin B13

- (e) 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 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) Re-install the TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
 - 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue:
- (3) Do this check of the wiring:
 - (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (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 DM34006AE at the E1-2 shelf and connector J250-A at the right AIMS cabinet (WDM 34-45-13).

DM34006AE	J250-A
pin C7	pin A1
pin D7	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 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 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.

————— **END OF TASK** —————

808. TCAS Computer Has No Output on TA/RA 2 Out Bus (429) - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-45892.

B. Initial Evaluation

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

NOTE: For Collins TTR 920 Series TCAS Computers:

This maintenance message may be ignored if it is intermittent.

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 TCAS computer, M34006, at the E1-2 shelf.
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) Do this check of the wiring:
 - (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (b) Remove the IOM(M004) module in the 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 DM34006AE at the E1-2 shelf, and connector J250-B at the E3-1 shelf (WDM 34-45-13).

DM34006AE		J250-B
pin G7	.....	pin A5
pin H7	.....	pin B5
- (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.

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- 3) Re-install the TCAS computer. 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.
 - (e) If you do not find a problem with the wiring, then continue:
 - (3) Do this check of the wiring:
 - (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (b) Remove the IOM(M009) module in 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 DM34006AE at the E1-2 shelf, and connector J420-A at the E2-1 shelf (WDM 34-45-13).
- | DM34006AE | J420-A |
|------------------|---------|
| pin G7 | pin A13 |
| pin H7 | pin B13 |
- (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 AIM 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. 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.

————— **END OF TASK** —————

809. TCAS Has No TX COORD #1 Output - 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 TCAS computer, M34006, at the E1-2 shelf.

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) Do this check of the wiring:
 - (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (b) Remove the left ATC transponder, M34107, at the E1-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.

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- (c) Do a wiring check between these pins of connector DM34006AE at the E1-2 shelf, and connector DM34107AA at the E1-3 shelf (WDM 34-45-12).

DM34006AE	DM34107AA
pin J15	pin E5
pin K15	pin F5

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the left ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) Re-install the TCAS computer. 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.

———— **END OF TASK** ————

810. TCAS Has No TX COORD #2 Output - 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 TCAS computer, M34006, at the E1-2 shelf.
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) Do this check of the wiring:
 - (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (b) Remove the right ATC transponder, M34207, at the E2-3 shelf. 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 DM34006AE at the E1-2 shelf, and connector DM34207AA at the E2-3 shelf (WDM 34-45-12).

DM34006AE	DM34207AA
pin A14	pin E5
pin B14	pin F5

- (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 right ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- 3) Re-install the TCAS computer. 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.

————— **END OF TASK** —————

811. TCAS Computer Has No Output On CMCS ARINC 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-45895.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 TCAS computer, M34006, at the E1-2 shelf.

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) Do this check of the wiring:
 - (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (b) Remove the IOM(M009) module in 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 DM34006AF at the E1-2 shelf, and connector J420-A at the E3-1 shelf (WDM 34-45-13).

DM34006AF

J420-A

pin E6	.....	pin A4
pin F6	.....	pin B4

- (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.

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- 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.
- (e) If you do not find a problem with the wiring, then continue:
- (3) Do this check of the wiring:
 - (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (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 DM34006AF at the E1-2 shelf and connector J420-A at the right AIMS cabinet at the E2-1 shelf (WDM 34-45-13).

DM34006AF	J420-A
pin E6	pin A4
pin F6	pin B4
- (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 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.
- (e) If you do not find a problem with the wiring, then continue:
- (4) Replace the the IOM(M009) module from 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) 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.

————— **END OF TASK** —————

812. TCAS No Input from AIMS-L on the Left CMCS Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49934.

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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 TCAS computer, M34006, at the E1-2 shelf.

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 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) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (b) Remove the IOM(M009) module in 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 DM34006AF at the E1-2 shelf and connector J420-A at the left AIMS cabinet (WDM 34-45-13).

DM34006AF

pin G6 pin F11
pin H6 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) 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 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.

————— **END OF TASK** —————

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813. TCAS No Input from Left Radio Altimeter Transceiver - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49940.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 TCAS computer, M34006, at the E1-2 shelf.

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 left radio altimeter transceiver, M34117, at the E5-4 shelf.

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.
- (3) Do this check of the wiring:
 - (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (b) Remove the left radio altimeter transceiver, M34117, at the E5-4 shelf. 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 DM34006AE at the E1-2 shelf and connector DM34112B at the E5-4 shelf (WDM 34-45-14).

DM34006AE

pin H13 pin G2

pin J13 pin G3

DM34112B

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

- 1) Repair the wiring.
 - 2) Re-install the left radio altimeter transceiver, M34117. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.

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- 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.

————— **END OF TASK** —————

814. TCAS No Input from Right Radio Altimeter Transceiver - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49943.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 TCAS computer, M34006, at the E1-2 shelf.
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 right radio altimeter transceiver, M34212, at the E5-2 shelf. To install it, do this task: 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.
- (3) Do this check of the wiring:
 - (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (b) Remove the right radio altimeter transceiver, M34212, at the E5-2 shelf. 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 DM34006AF at the E1-2 shelf and connector DM34212B at the E5-2 shelf (WDM 34-45-14).

DM34006AF

pin D3

pin E3

DM34212B

pin G2

pin G3

- (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 right radio altimeter transceiver, M34212. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
- 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.

————— **END OF TASK** —————

815. No TCAS Display On F/O ND and PFD - 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 TCAS computer, M34006, at the E1-2.
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.
- (2) Do this check of the wiring:
 - (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (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) Remove the module, M009, in the AIMS Cabinet - Right, M31201, at the E2-1 shelf. 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 DM34006AE at the E1-2 shelf and connectors J250-B and J420-A at the right AIMS cabinet (WDM 34-45-13).

DM34006AE	J250-B
pin C7	pin A1
pin D7	pin B1

DM34006AE	J420-A
pin G7	pin A13
pin H7	pin B13

- (e) 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 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.

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- 4) Re-install the TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
- 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then replace the IOM(M004) and IOM(M009) modules, in the right AIMS Cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - 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** —————

816. TCAS Voice Annunciation Problem - 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 check of the wiring:
 - (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (b) Remove the left Warning Electronic Unit, M31107, at the E1-5 shelf. 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 DM34006AE at the E1-2 shelf and connector DM31107AA at the E1-5 shelf (WDM 34-45-14).

DM34006AE

pin F3
pin G3

DM31107AA

pin G11
pin H11

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left Warning Electronic Unit, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
 - 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.
- (e) If you do not find a problem with the wiring, then continue:
- (2) Do this check of the wiring:
 - (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (b) Remove the right Warning Electronic Unit, M31207, at the E4-2 shelf. 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 DM34006AE at the E1-2 shelf and connector DM31207AA at the E4-2 shelf (WDM 34-45-14).

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DM34006AE

pin F3
pin G3

DM31207AA

pin G11
pin H11

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the right Warning Electronic Unit, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
 - 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.

— END OF TASK —

817. TCAS No Input from AIMS-L on Inertial Reference 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

- (1) Replace the TCAS computer, M34006, at the E1-2 shelf.
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 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) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (b) Remove the IOM(M008) module in 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 DM34006AE at the E1-2 shelf and connector J410-A at left AIMS cabinet (WDM 34-45-13).

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DM34006AE	J410-A
pin A7	pin F13
pin B7	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) 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 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.

END OF TASK

818. No TCAS Display On Capt ND and PFD - 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 check of the wiring:
 - (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (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) 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.
 - (d) Do a wiring check between these pins of connector DM34006AE at the E1-2 shelf and connectors J410-A and J420-A at the left AIMS cabinet (WDM 34-45-13).

DM34006AE	J410-A
pin C7	pin A13
pin D7	pin B13

DM34006AE	J420-A
pin G7	pin A13
pin H7	pin B13

- (e) 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 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.

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- 4) Re-install the TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
- 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then replace the IOM(M008) and IOM(M009) modules in the left AIMS Cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801
- 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 —

819. TCAS Has No XT COORD #1 Input - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49931.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 ATC transponder, M34107, at the E1-3 shelf.

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.
 - (2) Replace the TCAS computer, M34006, at the E1-2 shelf.
- 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.
 - (3) Do this check of the wiring:
 - (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (b) Remove the left ATC transponder, M34107, at the E1-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.

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- (c) Do a wiring check between these pins of connector DM34006AE at the E1-2 shelf, and connector DM34107AA at the E1-3 shelf (WDM 34-45-12).

DM34006AE

pin F14
pin G14

DM34107AA

pin G5
pin H5

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the left ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) Re-install the TCAS computer. 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.

————— **END OF TASK** —————

820. TCAS Has No XT COORD #2 Input - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49932.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 TCAS computer, M34006, at the E1-2 shelf.
- 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 right ATC transponder, M34207, at the E2-3 shelf.
- 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.

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- (3) Do this check of the wiring:
- (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (b) Remove the right ATC transponder, M34207, at the E2-3 shelf. 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 DM34006AE at the E1-2 shelf, and connector DM34207AA at the E2-3 shelf (WDM 34-45-12).

DM34006AE

pin H14

pin J14

DM34207AA

pin G5

pin H5

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the right ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) Re-install the TCAS computer. 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.

END OF TASK

821. Unidentify TCAS Intruder Symbol In Front of Airplane Symbol - 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) Set the transponder select switch on the TCAS/ATC control panel to the other position.
 - (a) If the intruder disappears, replace the previously selected ATC 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.
 - (b) If the symptom still exists, then continues.
- (2) Do this check of the wiring:
 - (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (b) Do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - (c) Do a wiring check between this pin of connector DM34109AC at the E1-2 shelf and connector DM34107AC at the E1-3 shelf (WDM 34-45-11).

DM34109AC

pin C12

DM34107AC

pin 12

- (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 TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
 - 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.
 - (e) If you do not find a problem with the wiring, then continue:
- (3) Do this check of the wiring:
- (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (b) Do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - (c) Do a wiring check between this pin of connector DM34109AC at the E1-2 shelf and connector DM34207AC at the E2-3 shelf (WDM 34-45-11).
- | | |
|-------------------|------------------|
| DM34109AC | DM34207AC |
| pin C12 | pin 12 |
- (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 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.
 - (e) If you do not find a problem with the wiring, then continue:
- (4) 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.
- (a) 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. Display Function Fault from Left AIMS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-45810.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, 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 TCAS computer, M34006, at the E1-2 shelf.

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) Do this check of the wiring:
- (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
- (b) Remove the IOM(M003) module in 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 DM34006AE at the E1-2 shelf and connector J240-B at the left AIMS cabinet (WDM 34-45-13).

DM34006AE

J240-B

pin C14 pin E5

pin E13 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) 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 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.
- (3) Do this check of the wiring:
- (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
- (b) Remove the IOM(M009) module in 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 DM34006AE at the E1-2 shelf and connector J420-B at the left AIMS cabinet (WDM 34-45-13).

DM34006AE

J420-B

pin C14 pin E5

pin E13 pin E5

- (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 TCAS computer, M34006. To install it, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.

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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.
- (4) 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.
- (5) 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.

————— **END OF TASK** —————

823. Display Function Fault from Right AIMS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-45820.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 TCAS computer, M34006, at the E1-2 shelf.
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) Do this check of the wiring:
 - (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (b) Remove the IOM(M003) module in 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 DM34006AE at the E1-2 shelf and connector J240-B at the right AIMS cabinet (WDM 34-45-13).

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DM34006AE	J240-B
pin C14	pin E1
pin E13	pin E1

- (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 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 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.
- (3) Do this check of the wiring:
- (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (b) Remove the IOM(M009) module in 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 DM34006AE at the E1-2 shelf and connector J420-B at the right AIMS cabinet (WDM 34-45-13).

DM34006AE	J420-B
pin C14	pin E5
pin E13	pin E5

- (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 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.
- (4) 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.
- (5) 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.

————— **END OF TASK** —————

824. TCAS No Input from AIMS-L on IRS 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49937.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 TCAS computer, M34006, at the E1-2 shelf.

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 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) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
 - (b) Remove the IOM(M008) module in 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 DM34006AE at the E1-2 shelf and connector J410-A at the left AIMS cabinet (WDM 31-41-31) (WDM 34-45-13) (SSM 31-41-03).

DM34006AE

J410-A

pin A7 pin F13

pin B7 pin G14

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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) 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 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.
 - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left electronic unit, N46102.

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.

————— END OF TASK —————

825. EICAS Advisory Message TCAS - Fault Isolation

A. Initial Evaluation

- (1) Do the fault isolation procedure for the correlated maintenance message.

————— END OF TASK —————

826. TCAS OFF EICAS Advisory Message Without Correlated Maintenance Message - Fault Isolation

A. Initial Evaluation

- (1) The TCAS OFF EICAS advisory message and a TCAS OFF message on the Navigation Displays are indications that the TCAS system is in the standby mode. The TCAS system will change to the standby mode if there are communication (coordination) problems with the active ATC transponder.

An ATC transmission problem can also cause the TCAS system to go to the standby mode. A fault with the ATC control panel, ATC antennas or the ATC antenna relays can cause ATC transmission problems.
- (2) Do a check of the maintenance messages related to the TCAS OFF message (fault code 344 001 00).
 - (a) Do this task: How to Find Maintenance Messages from the Present Leg that are not Correlated, AMM TASK 45-10-00-740-817
 - (b) Do the fault isolation task for the maintenance message that you find.
- (3) Do a check of the active or latched maintenance messages for the TCAS and ATC systems.
 - (a) Do this task: How to Find Active or Latched Maintenance Messages in One ATA System, AMM TASK 45-10-00-740-818
 - (b) Do the fault isolation task for the maintenance message that you find.
- (4) If no maintenance messages are present, then do the Fault Isolation Procedure below.

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B. Fault Isolation Procedure

- (1) On the TCAS/ATC control panel, switch the transponder to the opposite side.
 - (a) If the message does not show, you corrected the fault.
 - (b) If the message still shows, 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>
A	3	C34445	ATC L
C	3	C34607	ATC ANT SWITCH
E	25	C34446	ATC R

- (a) If the message does not show, you corrected the fault.
 - (b) If the message still shows, then continue.
- (3) Do a Ground Test of the left and right Air Traffic Control (ATC) system.
 - (a) Do this task: How to Do a Ground Test, AMM TASK 45-10-00-740-819
 - (b) Do the fault isolation task for the maintenance message that you find.
 - (c) If no maintenance messages are present, then continue.
- (4) Do the fault isolation procedure for ATC Transmission problems.
 - (a) Do this task: ATC Transmission Problem - Fault Isolation, 34-53 TASK 831
 - (b) If the message does not show, you corrected the fault.
 - (c) If the message still shows, then continue.
- (5) Replace the TCAS/ATC control panel.

These are the tasks:

TCAS/ATC Control Panel Removal, AMM TASK 34-53-02-000-801

TCAS/ATC Control Panel Installation, AMM TASK 34-53-02-400-801

- (a) If the message does not show, you corrected the fault.

————— END OF TASK —————

827. EICAS Status Message TCAS with TCAS FAIL Shown on the Navigation Display(s) - Fault Isolation

A. Description

- (1) This task is for these messages:
 - (a) TCAS Status Message shows on the Engine Indication and Crew Alerting System (EICAS) Display.
 - (b) TCAS FAIL Message shows on the Navigation Display(s).

B. Fault Isolation Procedure

- (1) Refer to 34-FAULT CODE INDEX to find the applicable Fault Isolation Manual (FIM) Task(s) for the correlated maintenance message(s) that show on the MAT.

————— END OF TASK —————

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828. Unjustified Resolution Advisory (RA) Occurrences - Fault Isolation

A. Initial Evaluation

The Resolution Advisory (RA) displays show when the airplane is about 900 feet and less than 25 seconds from another airplane. If the RA displays show several times without any airplane in the indicated airspace, do the fault isolation procedure below.

B. Fault Isolation Procedure

- (1) Replace the TCAS computer, M34006, at the E1-2 shelf.

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 RA displays do not show when there is no airplane in the indicated airspace, you corrected the fault.
- (b) If the RA displays show when there is no airplane in the indicated airspace, then continue.
- (2) Replace the DME/ATC/TCAS Suppression Splitter, B34001. Refer to : WDM 34-45-11.
- NOTE: Use standard industry practices to replace the unit.
- (a) If the RA displays do not show when there is no airplane in the indicated airspace, you corrected the fault.
- (b) If the RA displays show when there is no airplane in the indicated airspace, then continue.
- (3) Do a wiring check between the DME/ATC/TCAS Suppression Splitter and the TCAS computer.
- (a) Do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
- (b) Do a wiring check between these pins of connector DB34001E on the DME/ATC/TCAS Suppression Splitter and connector DM34006AC at the E1-2 shelf (WDM 34-45-11).

DB34001E

DM34006AC

pin A1 pin 12

- (c) If you find problems with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the TCAS Computer, do this task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
- 3) If the RA displays do not show when there is no airplane in the indicated airspace, you corrected the fault.
- 4) If the RA displays show when there is no airplane in the indicated airspace, then continue.
- (4) Do a wiring check between the DME/ATC/TCAS Suppression Splitter and the left DME Interrogator.
- (a) Remove the left DME Interrogator, M34109, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
- (b) Do a wiring check between these pins of connector DB34001D on the DME/ATC/TCAS Suppression Splitter and connector DM34109AC at the E1-2 shelf (WDM 34-45-11).

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DB34001D

DM34109AC

pin A1 pin 12

- (c) If you find problems with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left DME Interrogator, M34109, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
 - 3) If the RA displays do not show when there is no airplane in the indicated airspace, you corrected the fault.
 - 4) If the RA displays show when there is no airplane in the indicated airspace, then continue.
- (5) Do a wiring check between the DME/ATC/TCAS Suppression Splitter and the left ATC Transponder.
 - (a) Remove the left ATC Transponder, M34107, 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 DB34001C on the DME/ATC/TCAS Suppression Splitter and connector DM34107AC at the E1-3 shelf (WDM 34-45-11).

DB34001C

DM34107AC

pin A1 pin 12

- (c) If you find problems with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left ATC Transponder, M34107, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) If the RA displays do not show when there is no airplane in the indicated airspace, you corrected the fault.
 - 4) If the RA displays show when there is no airplane in the indicated airspace, then continue.
- (6) Do a wiring check between the DME/ATC/TCAS Suppression Splitter and the right ATC Transponder.
 - (a) Remove the right ATC Transponder, M34207, 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 DB34001B on the DME/ATC/TCAS Suppression Splitter and connector DM34207AC at the E2-3 shelf (WDM 34-45-11).

DB34001B

DM34207AC

pin A1 pin 12

- (c) If you find problems with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right ATC Transponder, M34207, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) If the RA displays do not show when there is no airplane in the indicated airspace, you corrected the fault.

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- 4) If the RA displays show when there is no airplane in the indicated airspace, then continue.
- (7) Do a wiring check between the DME/ATC/TCAS Suppression Splitter and the right DME Interrogator.
 - (a) Remove the right DME Interrogator, M34209, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
 - (b) Do a wiring check between these pins of connector DB34001A on the DME/ATC/TCAS Suppression Splitter and connector DM34209AC at the E2-3 shelf (WDM 34-45-11).

DB34001A	DM34209AC
pin A1	pin 12
- (c) If you find problems with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right DME Interrogator, M34209, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
 - 3) If the RA displays do not show when there is no airplane in the indicated airspace, you corrected the fault.

———— **END OF TASK** ————

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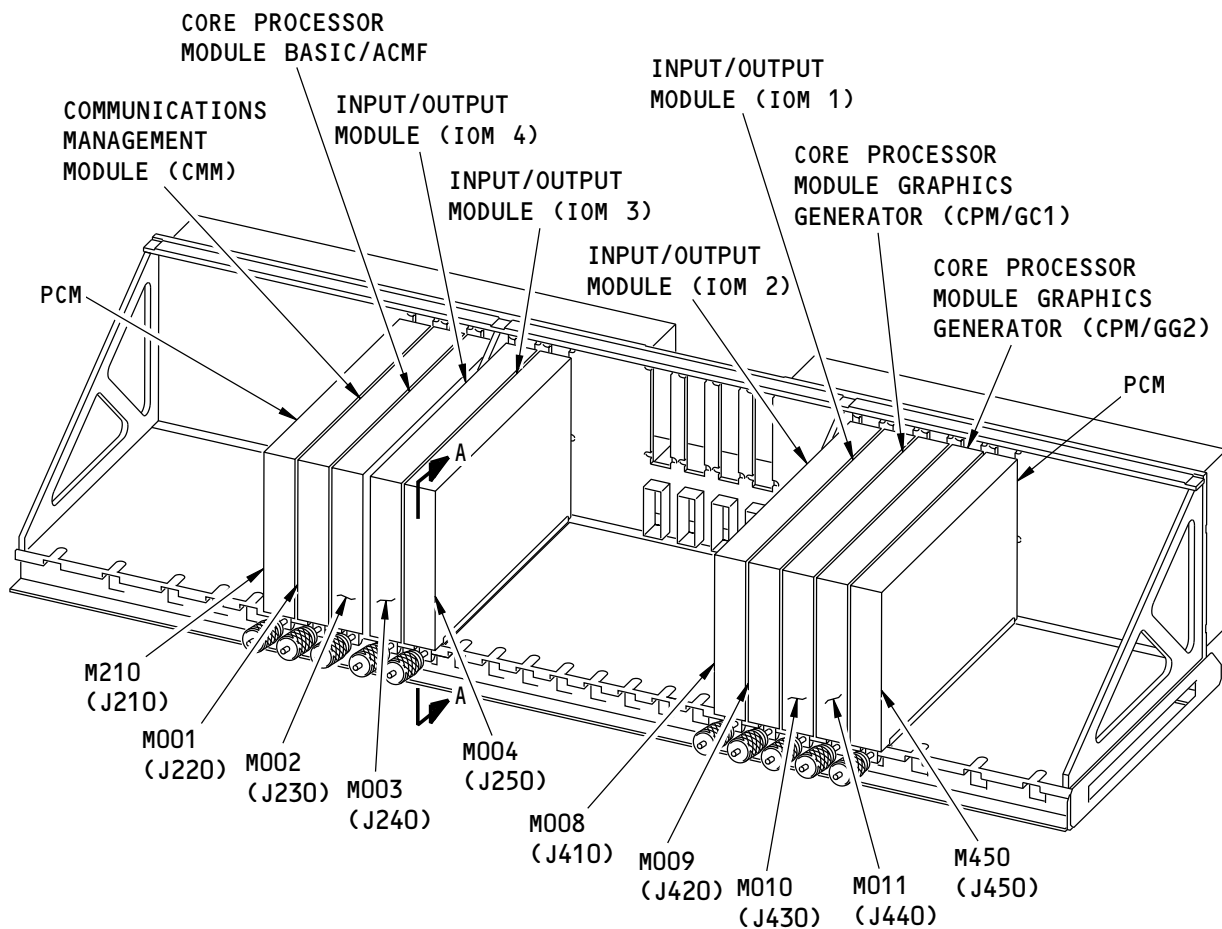
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ELECTRONIC EQUIPMENT RACK

2178748 S0000480931_V1

Airplane Information Management System (AIMS) Overview
Figure 301/34-45-00-990-801 (Sheet 1 of 2)

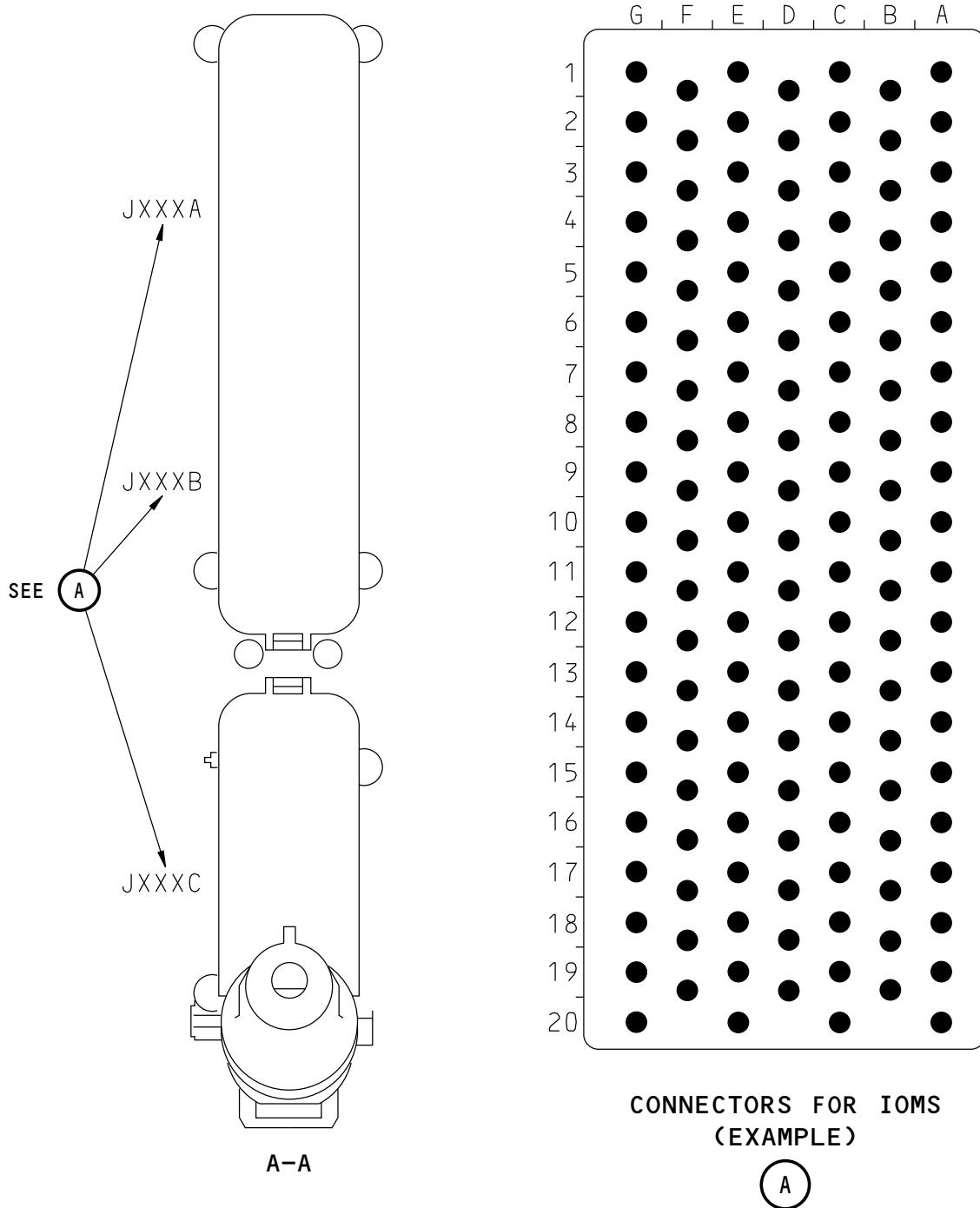
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NOTE: XXX = CONNECTOR NUMBER

2179065 S0000481152_V1

Airplane Information Management System (AIMS) Overview
Figure 301/34-45-00-990-801 (Sheet 2 of 2)

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801. GND PROX FLAP Switch Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-46010.

B. Initial Evaluation

- (1) If the MAT shows 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: 34 Ground Proximity Warning System, Operational Test, Ground Proximity Warning 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 GND PROX FLAP switch, S3 on the landing gear module assembly (P2 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 check of the wiring:
 - (a) Remove the GND PROX FLAP switch, S3.
 - (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 D53 at the landing gear module assembly (M32002) and connector DM34004AB at the E1-4 shelf (WDM 34-46-11):

D53

DM34004AB

pin 8 pin C9

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the GND PROX FLAP switch, S3.
 - 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.

————— **END OF TASK** —————

802. Ground Proximity Warning Computer Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-46050.

B. Fault Isolation Procedure

- (1) Do this Level 2 Self-Test:
 - (a) Push and release the GPWS test switch for LEVEL 1.

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- (b) After the Level 1 Self-Test audio starts, push and hold the GPWS test switch for less than 2 seconds.
 - (c) Listen for these Level 2 Self-Test internal fault messages:
 - 1) "ROM FAILED"
 - 2) "RAM FAILED"
 - 3) "NVM RAM FAILED"
 - 4) "NVM FAILED"
 - 5) "WATCHDOG TIMER FAILED"
 - 6) "VOICE GENERATOR FAILED"
 - 7) "ARINC 429 TRANSMITTER FAILED"
 - 8) "ARINC 429 RECEIVER FAILED"
 - 9) "FLASH FILE SYSTEM WRITE FAILED"
 - 10) "APPLICATION DATABASE FAILED"
 - 11) "APPLICATION DATABASE CRC FAILED"
 - 12) "TERRAIN DATABASE FAILED"
 - 13) "ENVELOPE MODULATION DATABASE FAILED"
 - 14) "CONFIGURATION DATABASE FAILED"
 - 15) "SYSTEM OR MODE TASK FAILED"
 - 16) "SUPPORT TASK FAILED"
 - 17) "INTERNAL GPS FAILED"
 - 18) "INTERNAL GPS POSITION FAILED"
 - (d) If you hear the Level 2 Self-Test message "NO FAULTS," GPWC replacement is not necessary.
- (2) If you heard one of the faults in the list above, replace the Ground Proximity Warning Computer, 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 —

803. GPWC No Output on GPWC A1 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-46891.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, 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

ARO 001-008 PRE SB 777-34-0232

- (1) If the maintenance message shows during flight, the flight crew should follow appropriate procedures in the FCOM/QRH until the airplane is on the ground.

Do the steps that follow when the airplane is on the ground:

- (a) Do a level 2 self-test on the front panel of the EGPWS computer to access current (existing) faults. Refer to : GROUND PROXIMITY WARNING SYSTEM - ADJUSTMENT/TEST, AMM 34-46-00/501 Config 2.
- (b) Do a level 4 self-test on the front panel of the EGPWS computer to access fault history. Refer to : GROUND PROXIMITY WARNING SYSTEM - ADJUSTMENT/TEST, AMM 34-46-00/501 Config 2.
- (c) Open and close this circuit breaker:

Overhead Circuit Breaker Panel, P11

Row	Col	Number	Name
E	12	C34442	GROUND PROX WARNING COMPUTER

- 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
NOTE: If there is a history of ARINC Transmitter/Receiver Failed faults of two or more times, then replace the Ground Proximity Warning Computer.
- 2) If the MAT shows ACTIVE for the maintenance message, then replace the Ground Proximity Warning Computer, 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.
 - 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) and IOM(M004) modules 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 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 DM3400AB at the E1-4 shelf and IOM module connectors J240-A and J250-A at the left AIMS cabinet (WDM 34-46-12) and (SSM 31-41-03):

J240-A	DM3400AB
pin A15	pin C1
pin B15	pin D1

J250-A	DM3400AB
pin A15	pin C1
pin B15	pin D1

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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(M003) and IOM(M004) modules 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 replace the Ground Proximity Warning Computer, 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.

- 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** —————

804. GPWC No Input From AIMS-L on CMCS-C 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49946.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 Ground Proximity Warning Computer (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.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M008) module on 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.
- (3) 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) Remove the 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 DM3400AA at the E1-4 shelf and the IOM module connector J410-A at the left AIMS cabinet (WDM 34-46-11):

J410-A	DM3400AA
pin F11	pin A9
pin G12	pin B9

- (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 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.

END OF TASK

805. GPWC No Input from AIMS-L on GP #1 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49949.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 Ground Proximity Warning Computer (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.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M003) from 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 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 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
the IOM module connector J240-B at the left AIMS cabinet (WDM 34-46-11):
- | J240-B | DM34004AB |
|-------------------|------------------|
| pin F11 | pin C12 |
| pin G12 | pin D12 |
- (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.
 - 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.
 - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left electronics unit, N46102.
- 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.
- (5) Replace the right electronics unit, 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.

————— **END OF TASK** —————

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806. GPWC No Input from AIMS-L on IRS 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49961.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 Ground Proximity Warning Computer (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.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M008) module from 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 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 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 the IOM connector J410-A at the left AIMS cabinet (WDM 34-46-11):

J410-A

pin F13 pin A6
pin G14 pin B6

DM34004AB

- (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.

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- 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.
 - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left electronics unit, N46102.
- 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.

———— **END OF TASK** ————

807. GPWC No Input from ILS Receiver-L on ILS Data #2 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49967.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 Ground Proximity Warning Computer (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.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left ILS receiver, M34110.
- 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.
- (3) Do this check of the wiring:

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- (a) Remove the left ILS receiver, M34110. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
- (b) Remove the 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 DM3400AB at the E1-4 shelf and connector DM34110AB at the E1-2 shelf (WDM 34-46-11):

DM34110AB

pin B11 pin C11
pin C11 pin D11

DM34004AB

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left ILS receiver, M34110. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
 - 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.

— END OF TASK —

808. GND PROX GEAR Switch Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-46020.

B. Initial Evaluation

- (1) If the MAT shows 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: 34 Ground Proximity Warning System, Operational Test, Ground Proximity Warning 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 GND PROX GEAR switch, S4 on the landing gear module assembly (P2 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 check of the wiring:
 - (a) Remove the GND PROX GEAR switch, S4.
 - (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 D54 at the landing gear module assembly (M32002) and connector DM34004AB at the E1-4 shelf (WDM 34-46-11):

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D54 **DM34004AB**
pin 8 pin B9

- (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 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.

————— **END OF TASK** —————

809. GND PROX G/S Switch Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-46030.

B. Initial Evaluation

- (1) If the MAT shows 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: 34 Ground Proximity Warning System, Operational Test, Ground Proximity Warning 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 GND PROX G/S switch, S2 on the landing gear module assembly (P2 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 check of the wiring:
- (a) Remove the GND PROX G/S switch, S2.
- (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 D52 at the landing gear module assembly (M32002) and connector DM34004AB at the E1-4 shelf (WDM 34-46-11):

D52 **DM34004AB**
pin 8 pin D9

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the GND PROX G/S switch, S2.

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- 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.

————— END OF TASK —————

810. GPWC Program Pin Configuration Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-46040.

B. Initial Evaluation

- (1) If the MAT shows 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: 34 Ground Proximity Warning System, system test, Ground Proximity Warning 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) Remove and re-install the Ground Proximity Warning Computer (GPWC), M34004.
 - (a) To remove the GPWC, M34004, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
 - (b) To re-install the GPWC, M34004, do this task: Ground Proximity Warning Computer Installation, AMM TASK 34-46-01-400-801.
 - 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 ACTIVE for the maintenance message, then continue.
- (2) 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) Make sure connector DM34004AA and connector DM34004AB at the E1-4 shelf (WDM 34-46-13) do not have loose, bent, broken, or pushed in pins.
 - (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) 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. GPWC No Input from AIMS-R on GP #1 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49952.

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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 Ground Proximity Warning Computer (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.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M003) from 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 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 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 the IOM module connector J240-B at the right AIMS cabinet (WDM 34-46-11):

J240-B

pin F11 pin C9

pin G12 pin D9

DM34004AA

- (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 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.

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- 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left electronics unit, N46102.
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.
- (5) Replace the right electronics unit, 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.

————— END OF TASK —————

812. GPWC No Input from AIMS-L on GP #3 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49955.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 Ground Proximity Warning Computer (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.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M003) from 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 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 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 DM3400AB at the E1-4 shelf and the IOM module connector J240-A at the left AIMS cabinet (WDM 34-46-11):

J240-A	DM3400AB
pin F11	pin A11
pin G12	pin B11

- (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.
 - 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.
 - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the left electronics unit, N46102.
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.
- (5) Replace the right electronics unit, 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.

————— **END OF TASK** —————

813. GPWC No Input from AIMS-R on GP #3 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49958.

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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 Ground Proximity Warning Computer (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.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M003) from 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 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 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 the IOM module connector J240-A at the right AIMS cabinet (WDM 34-46-11):

J240-A

pin F11

pin G12

DM34004AB

pin A10

pin B10

- (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 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.

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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** —————

814. GPWC No Input from AIMS-R on IRS 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49964.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 Ground Proximity Warning Computer (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.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M008) module from 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 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 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 the IOM connector J410-A at the right AIMS cabinet (WDM 34-46-11):

J410-A		DM34004AB
pin F13		pin C10
pin G14		pin D10
- (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(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 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.
- 5) If the MAT shows ACTIVE for the maintenance message, then continue.

(4)

Replace the right electronics unit, 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.

————— **END OF TASK** —————

815. GPWC No Input from RA Transceiver-L on Altitude #2 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49973.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 Ground Proximity Warning Computer (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.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left Radio Altimeter (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.

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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 RA Transceiver, M34112. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
 - (b) Remove the 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 the connector DM34112AB at the E5-2 shelf (WDM 34-46-11):

DM34112AB

pin G3

pin G2

DM34004AB

pin A13

pin B13

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left RA Transceiver, M34112. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
 - 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.

END OF TASK

816. GPWC No Input from RA Transceiver-R on Altitude #2 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49970.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 Ground Proximity Warning Computer (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.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right Radio Altimeter (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.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (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 RA Transceiver, M34212. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.
 - (b) Remove the 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 the connector DM34212AB at the E5-4 shelf (WDM 34-46-11):

DM34212AB

pin G2
pin G3

DM34004AA

pin A8
pin B8

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right RA Transceiver, M34212. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
 - 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.

————— **END OF TASK** —————

817. EICAS Message ALTITUDE CALLOUTS - Fault Isolation

A. Initial Evaluation

NOTE: This message shows when the altitude callouts function (GWPC Mode 6) has failed.

- (1) If the EICAS shows the ALTITUDE CALLOUTS message, then do the Fault Isolation Procedure below.
- (2) If the EICAS does not show the ALTITUDE CALLOUTS message, then there was an intermittent fault.

B. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 34 Ground Proximity Warning System, Operational Test, Ground Proximity Warning System.
 - (a) Do the Fault Isolation Procedures for the maintenance messages that are shown as a result of the ground test.

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- (b) If maintenance messages do not show on the ground test display, then there was an intermittent fault.

————— **END OF TASK** —————

818. GPWC No Input from RA Transceiver-C on Altitude #2 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49972.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 Ground Proximity Warning Computer (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.

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

- (2) Replace the center Radio Altimeter (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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 RA Transceiver, M34312. To remove it, do this task: Radio Altimeter Transceiver Removal, AMM TASK 34-33-01-000-801.

- (b) Remove the 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 the connector DM34312AB at the E5-3 shelf (WDM 34-46-11):

DM34312AB

pin G2

pin G3

DM34004AB

pin A12

pin B12

- (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 center RA Transceiver, M34312. To install it, do this task: Radio Altimeter Transceiver Installation, AMM TASK 34-33-01-400-801.
- 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.

————— **END OF TASK** —————

819. GPWC No GPS Input from MMR-L on 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49959.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 Ground Proximity Warning Computer (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.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) 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.
- (3) Do this check of the wiring:
 - (a) Remove the left MMR, M34410. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (b) Remove the 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 the connector DM34410AB at the E1-2 shelf (WDM 34-46-11):

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DM34410AB

pin E9
pin F9

DM34004AB

pin C6
pin D6

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the left MMR, M34410. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
 - 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.

————— END OF TASK —————

820. GPWC No GPS Input from MMR-R on 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49960.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 Ground Proximity Warning Computer (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.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) 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.
- (3) Do this check of the wiring:

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- (a) Remove the right MMR, M34510. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
- (b) Remove the 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 the connector DM34510AB at the E1-2 shelf (WDM 34-46-11):

DM34510AB

pin E9
pin F9

DM34004AA

pin C11
pin D11

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right MMR, M34510. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
 - 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.

END OF TASK

823. GPWC No WXR Input from WXR-L on 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49963.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 Ground Proximity Warning Computer (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.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left weather radar (WXR) transceiver, M34116.

These are the tasks:

WXR Transceiver Removal, AMM TASK 34-43-02-000-801,

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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.
- (3) Do this check of the wiring:
 - (a) Remove the left WXR Transceiver, M34116. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
 - (b) Remove the 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 the connector DM34116AB at left WXR transceiver (WDM 34-46-11):

DM34116AB

pin J5
pin J6

DM34004AA

pin A5
pin A6

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left WXR transceiver, M34116. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
 - 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.

————— **END OF TASK** —————

824. GPWC No WXR Input from WXR-R on 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49966.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 Ground Proximity Warning Computer (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.

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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 right weather radar (WXR) transceiver, 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.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (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 WXR transceiver, M34216. To remove it, do this task: WXR Transceiver Removal, AMM TASK 34-43-02-000-801.
 - (b) Remove the 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 the connector DM34216AB at the right WXR transceiver (WDM 34-46-11):

DM34216AB	DM34004AA
pin J5	pin A4
pin J6	pin B4
- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right WXR transceiver. To install it, do this task: WXR Transceiver Installation, AMM TASK 34-43-02-400-801.
 - 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.

———— **END OF TASK** ————

825. GPWC No ILS Input from MMR-L on 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49968.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, 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 Ground Proximity Warning Computer (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.

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

- (2) 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.

- (3) Do this check of the wiring:

- (a) Remove the left MMR, M34410. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.

- (b) Remove the 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 the connector DM34410AB at the E1-2 shelf (WDM 34-46-11):

DM34410AB

pin G1 pin C11

pin H1 pin D11

DM34004AB

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

- 1) Repair the wiring.

- 2) Re-install the left MMR, M34410. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.

- 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.

————— **END OF TASK** —————

826. Captain's Terrain Relays Are Not in Commanded Position - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-46060.

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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 Terrain Select Relay, K34003 at the E1-4 shelf.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the Terrain Select Relay, K34004 at the E1-4 shelf.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (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 Ground Proximity Warning Computer (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.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this check of the wiring:
 - (a) Open this circuit breaker and install safety tag:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	12	C34633	TERR DSPL

- (b) Remove the Terrain Select relays K34003, and K34004 at the E1-4 shelf.
 - (c) Remove the Ground Proximity Warning Computer, M34004. To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
 - (d) Do a wiring check between these pins and connectors as follows (WDM 34-46-14):

DK34003	DM34004AA
pin 6	pin D10

DK34004	DM34004AA
pin 8	pin C7

DK34003	DK34004
pin 10	pin 6
pin 12	pin 7
pin 12	pin 12

- (e) Do a wiring check between pin 11 of DK34003 connector to a DC ground.

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- (f) Remove the safety tag and close this circuit breaker:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	12	C34633	TERR DSPL

- (g) Do a 28 VDC check between pin 12 of DK34003 connector to a DC ground.
(h) Open this circuit breaker and install safety tag:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	12	C34633	TERR DSPL

- (i) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the Terrain Select relays K34003 and K34004 at the E1-4 shelf.
 - 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.

———— **END OF TASK** ————

827. First Officer's Terrain Relays Are Not in Commanded Position - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-46070.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 Terrain Select Relay, K34005 at the E1-4 shelf.
(a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
(b) If the MAT shows ACTIVE for the maintenance message, then continue.
(2) Replace the Terrain Select Relay, K34006 at the E1-4 shelf.
(a) If the MAT shows NOT ACTIVE for the maintenance message (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 Ground Proximity Warning Computer (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.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this check of the wiring:
- (a) Open this circuit breaker and install safety tag:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	12	C34633	TERR DSPL

- (b) Remove the Terrain Select relays K34005, and K34006 at the E1-4 shelf.
- (c) Remove the Ground Proximity Warning Computer, M34004. To remove it, do this task: Ground Proximity Warning Computer Removal, AMM TASK 34-46-01-000-801.
- (d) Do a wiring check between these pins and connectors as follows (WDM 34-46-14):

DK34005	DM34004AA
pin 6	pin D10

DK34006	DM34004AA
pin 8	pin D7

DK34005	DK34006
pin 10	pin 6
pin 12	pin 7
pin 12	pin 12

- (e) Do a wiring check between pin 11 of DK34005 connector to a DC ground.
- (f) Remove the safety tag and close this circuit breaker:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	12	C34633	TERR DSPL

- (g) Do a 28 VDC check between pin 12 of DK34005 connector to a DC ground.
- (h) Open this circuit breaker and install safety tag:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	12	C34633	TERR DSPL

- (i) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the Terrain Select relays K34005 and K34006 at the E1-4 shelf.
 - 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.

————— **END OF TASK** —————

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828. Captain's Navigation Display Message TERRAIN RANGE DISAGREE - Fault Isolation

A. Initial Evaluation

- (1) If the captain's Navigation Display (ND) shows the TERRAIN RANGE DISAGREE message, then do the Fault Isolation Procedure below.
- (2) If the captain's ND does not show the TERRAIN RANGE DISAGREE 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) Replace the Ground Proximity Warning Computer (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 captain's ND does not show the TERRAIN RANGE DISAGREE message, you corrected the fault.
 - (b) If the captain's ND shows the TERRAIN RANGE DISAGREE message, then continue.
- (2) Replace the left AIMS IOM, M003.
These are the tasks:
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - (a) If the captain's ND does not show the TERRAIN RANGE DISAGREE message, you corrected the fault.
 - (b) If the captain's ND shows the TERRAIN RANGE DISAGREE message, then continue.
- (3) Do this check of the wiring:
 - (a) Remove the left AIMS IOM, M003. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
 - (b) Remove the 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 the connector J240-B (D6618) at the E2-1 shelf (WDM 34-46-11):

J240-B (D6618)

pin A5 pin C12
pin B5 pin D12

DM34004AB

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left AIMS IOM, M003. 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.

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- 4) If the captain's ND does not show the TERRAIN RANGE DISAGREE message, you corrected the fault.

———— **END OF TASK** ————

829. First Officer's Navigation Display Message TERRAIN RANGE DISAGREE - Fault Isolation

A. Initial Evaluation

- (1) If the first officer's Navigation Display (ND) shows the TERRAIN RANGE DISAGREE message, then do the Fault Isolation Procedure below.
- (2) If the first officer's ND does not show the TERRAIN RANGE DISAGREE 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) Replace the Ground Proximity Warning Computer (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.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right AIMS IOM, M003.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,
- Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the first officer's does not show the TERRAIN RANGE DISAGREE message, you corrected the fault.
- (b) If the first officer's shows the TERRAIN RANGE DISAGREE message, then continue.
- (3) Do this check of the wiring:
- (a) Remove the right AIMS IOM, M003. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Remove the 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 the connector J240-B (D6718) at the E2-1 shelf (WDM 34-46-11):

J240-B (D6718)

pin A5

pin B5

DM34004AB

pin C12

pin D12

- (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 right AIMS IOM, M003. 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 first officer's does not show the TERRAIN RANGE DISAGREE message, you corrected the fault.

————— **END OF TASK** —————

830. Captain's Navigation Display Message MAP/TERRAIN RANGE DISAGREE - Fault Isolation

A. Initial Evaluation

- (1) If the Captain's Navigation Display (ND) shows the MAP/TERRAIN RANGE DISAGREE message, then do the Fault Isolation Procedure below.
- (2) If the Captain's ND does not show the MAP/TERRAIN RANGE DISAGREE message, then there was an intermittent fault.

B. Fault Isolation Procedure

- (1) Do the fault isolation procedure for the captain's ND message TERRAIN RANGE DISAGREE (34-46 TASK 828).
 - (a) If the MAP/TERRAIN RANGE DISAGREE message does not show on the captain's ND, you corrected the fault.
 - (b) If the MAP/TERRAIN RANGE DISAGREE shows on the captain's ND, then continue.
- (2) Do the fault isolation procedure for the captain's ND message MAP RANGE DISAGREE (31-61 TASK 878).
 - (a) If the captain's ND does not show the MAP/TERRAIN RANGE DISAGREE message, you corrected the fault.

————— **END OF TASK** —————

831. First Officer's Navigation Display Message MAP/TERRAIN RANGE DISAGREE - Fault Isolation

A. Initial Evaluation

- (1) If the first officer's Navigation Display (ND) shows the MAP/TERRAIN RANGE DISAGREE message, then do the Fault Isolation Procedure below.
- (2) If the first officer's ND does not show the MAP/TERRAIN RANGE DISAGREE message, then there was an intermittent fault.

B. Fault Isolation Procedure

- (1) Do the fault isolation procedure for the first officer's ND message TERRAIN RANGE DISAGREE (34-46 TASK 829).
 - (a) If the MAP/TERRAIN RANGE DISAGREE message does not show on the captain's ND, you corrected the fault.
 - (b) If the MAP/TERRAIN RANGE DISAGREE shows on the captain's ND, then continue.
- (2) Do the fault isolation procedure for the captain's ND message MAP RANGE DISAGREE (31-61 TASK 879).
 - (a) If the captain's ND does not show the MAP/TERRAIN RANGE DISAGREE message, you corrected the fault.

————— **END OF TASK** —————

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832. EICAS Message TERR OVRD - Fault Isolation

A. Initial Evaluation

NOTE: This message shows when the EGPW OVRD button is pressed. This indicates that the terrain function of the GPWS has been overridden.

————— **END OF TASK** —————

833. Runway or Airport not in RAAS Airport/Runway Database - Fault Isolation

A. Maintenance Messages

(1) This task is for maintenance message: 34-46082.

B. Maintenance Messages

(1) This task is for maintenance message: 34-46082.

C. Initial Evaluation

(1) This message shows when Runway or Airport is not in the RAAS Airport/Runway Database.

D. Fault Isolation Procedure

(1) No maintenance action is necessary.

————— **END OF TASK** —————

834. RAAS Database Not Loaded Or Invalid - Fault Isolation

A. Maintenance Messages

(1) This task is for maintenance message: 34-46080.

B. Maintenance Messages

(1) This task is for maintenance message: 34-46080

C. Initial Evaluation

(1) This message shows when RAAS Database is not loaded or invalid. Check the Part number of the RAAS database and reload the correct RAAS database.

D. Fault Isolation Procedure

(1) Do the Ground Proximity Warning System - Operational Test (Ground Proximity Warning System - Operational Test, AMM TASK 34-46-00-710-803-002).

(a) Listen for the message RUNWAY AWARENESS OK - FEET (METERS)

(b) If you heard the message RUNWAY AWARENESS OK - FEET (METERS) a valid runway configuration database is installed.

(c) If the message RUNWAY AWARENESS OK - FEET (METERS) was not heard, install a valid runway configuration database. Do this task: RAAS ACTIVATION, AMM TASK 34-46-00-470-803.

————— **END OF TASK** —————

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835. EICAS Message RUNWAY POS - Fault Isolation

A. Description

This message is shown when the Runway Awareness and Advisory System (RAAS) detects that the GPS horizontal position uncertainty exceeds its limit.

B. Initial Evaluation

NOTE: No specific maintenance action is necessary for this message.

———— **END OF TASK** ————

837. RAAS Runway Override Switch Failure

A. Maintenance Messages

(1) This task is for maintenance message: 34-46081.

B. Maintenance Messages

(1) This task is for maintenance message: 34-46082.

C. Initial Evaluation

(1) This message shows when the RAAS runway override switch fails.

D. Fault Isolation Procedure

(1) Replace the RAAS runway override switch (WDM 34-46-14).

E. Repair Confirmation

(1) Push the runway override switch to the OVRD position.

(a) Make sure the OVRD indication shows.

(b) Make sure the EICAS Advisory message RUNWAY OVRD is shown.

(2) Push the runway override switch to the normal position.

———— **END OF TASK** ————

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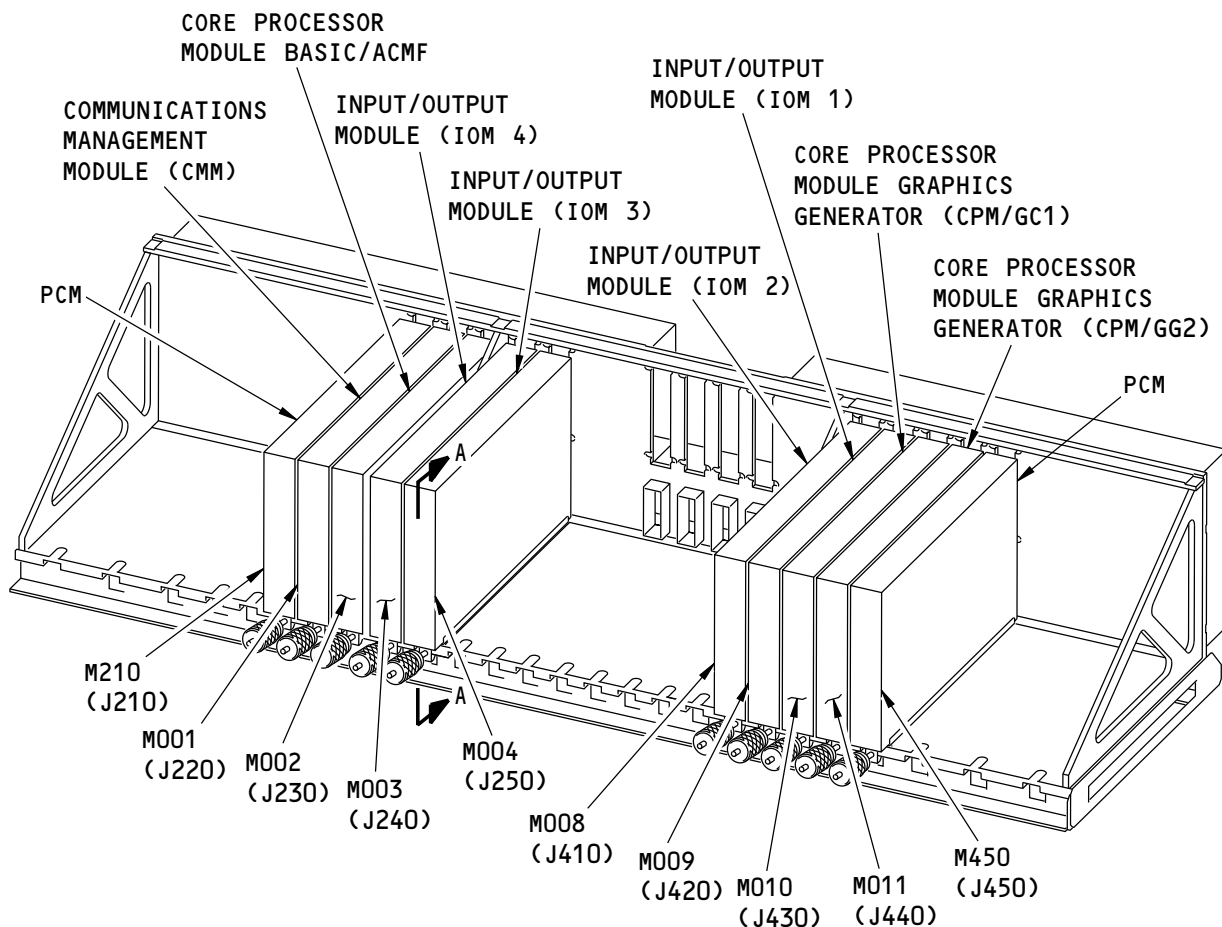
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2178748 S0000480931_V1

Airplane Information Management System (AIMS) Overview
Figure 301/34-46-00-990-801 (Sheet 1 of 2)

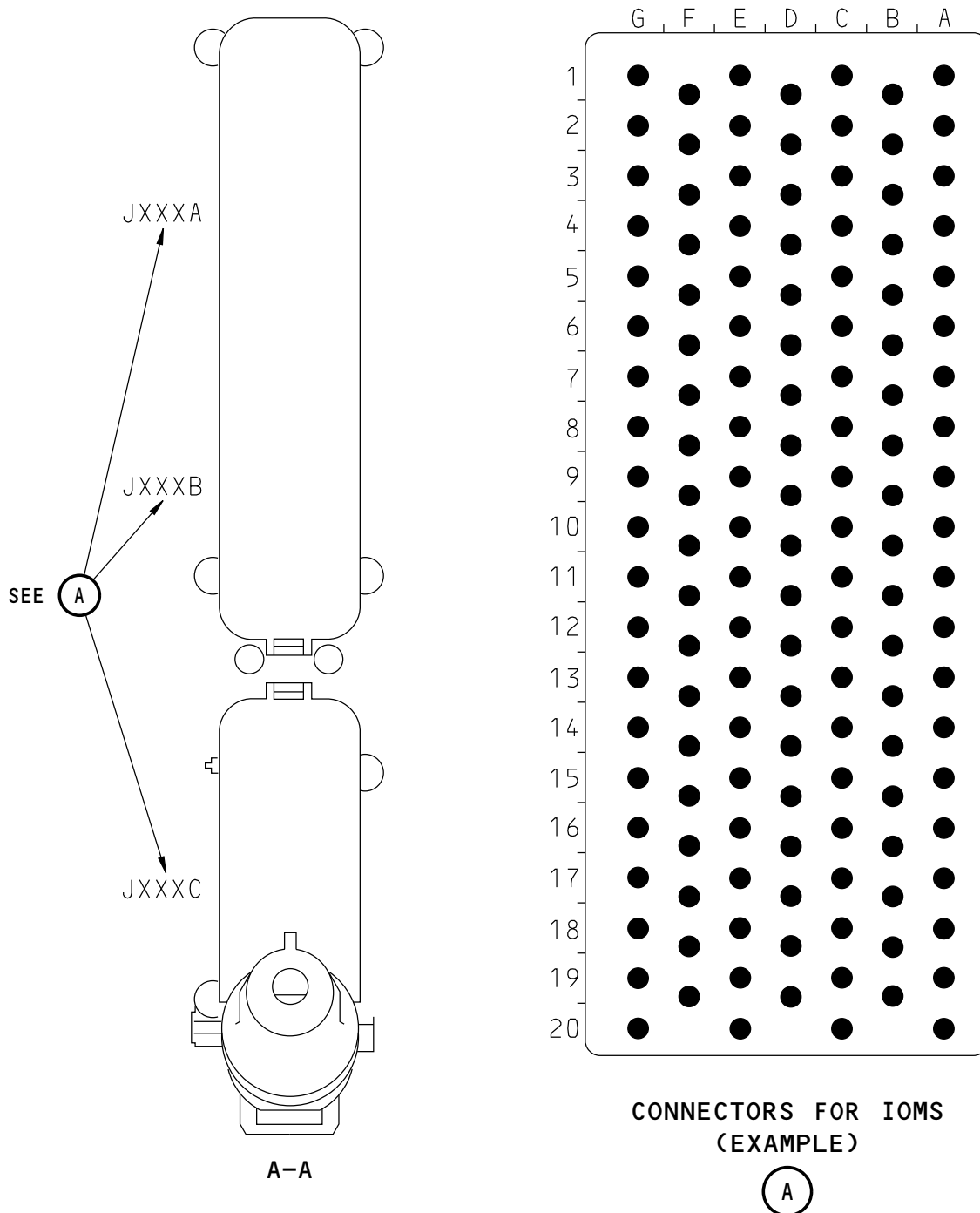
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NOTE: XXX = CONNECTOR NUMBER

2179065 S0000481152_V1

Airplane Information Management System (AIMS) Overview
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801. Left VOR/MB Receiver Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-47011.

B. Fault Isolation Procedure

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

————— END OF TASK —————

802. Right VOR/MB Receiver Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-47013.

B. Fault Isolation Procedure

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

————— END OF TASK —————

803. VOR/MB Receiver-L No Input from AIMS-R on NAVAID TUNE-L 429 BUS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-47031.

B. Description

- (1) The Left VOR/MB Receiver has NO INPUT From the Right AIMS on the FREQ/FUNCTION SELECT Data Bus.

C. Initial Evaluation

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

D. 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 VOR/MB receiver, M34115.

These are the tasks:

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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.
- (2) Replace the IOM (M009) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 VOR/MB receiver, M34115. To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.
 - (b) Remove the IOM (M009) module from 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 D6705 at the Right AIMS cabinet on the E2-1 shelf and connector DM34115AB at the Left VOR/MB Receiver (WDM 34-51-11,WDM 34-61-11):

D6705

pin 50 pin B11

pin 51 pin C11

DM34115AB

- (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 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.

————— **END OF TASK** —————

804. VOR/MB Receiver-R No Input from AIMS-R on NAVAID TUNE-R 429 BUS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-47033.

B. Description

- (1) The Left VOR/MB Receiver has NO INPUT From the Right AIMS on the FREQ/FUNCTION SELECT Data Bus.

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C. Initial Evaluation

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

D. 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 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, 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) If the MAT shows NOT ACTIVE for the maintenance message (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 VOR/MB receiver, M34215. To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.
 - (b) Remove the IOM (M004) module from 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 D6717 at the Right AIMS cabinet on the E2-1 shelf and connector DM34215AB at the Right VOR/MB Receiver (WDM 34-51-21, WDM 34-61-12):

D6717

pin 50 pin B11
pin 51 pin C11

DM34215AB

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the IOM (M004) module. 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.

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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. Left VOR/MB Receiver Output Bus Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-47801.

B. Fault Isolation Procedure

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

————— **END OF TASK** —————

806. Right VOR/MB Receiver Output Bus Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-47802.

B. Fault Isolation Procedure

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

————— **END OF TASK** —————

807. VOR/MB Receiver-L No Output OMNIBEARING-1 429 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

- (1) 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance 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 (M009) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 VOR/MB receiver, M34115. To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.
- (b) Remove the IOM (M009) module from the left AIMS cabinet, M31101. 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 P9-B at the left AIMS cabinet on the E3-1 shelf and connector DM34115AB at the E1-3 shelf (WDM 34-51-11).
- | P9-B | DM34115AB |
|---------|-----------|
| pin D14 | pin A4 |
| pin D15 | pin B4 |
- (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 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.

————— **END OF TASK** —————

808. VOR/MB Receiver-R No Output on OMNIBEARING-1 429 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

- (1) 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, M31101.

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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.
- (3) 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) Remove the IOM (M004) module from the left AIMS cabinet, M31101. 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 J250-B at the left AIMS cabinet on the E3-1 shelf and connector DM34215AB at the E1-3 shelf (WDM 34-51-21)

J250-B	DM34215AB
pin A10	pin A4
pin B10	pin B4
- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the IOM (M004) module. 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.

————— **END OF TASK** —————

809. VOR/MB Receiver-L No Output on OMNIBEARING-2 429 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

- (1) 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, M31201.

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) 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) Remove the IOM (M009) module from 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 J420-B at the right AIMS cabinet on the E2-1 shelf and connector DM34115AB at the E1-3 shelf (WDM 34-51-11).

J420-B

pin A12 pin B13
pin B12 pin C13

DM34115AB

- (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 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.

————— END OF TASK —————

810. VOR/MB Receiver-R No Output on OMNIBEARING-2 429 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

- (1) 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, M31201.

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.
- (3) 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) Remove the IOM (M004) module from 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 J250-B at the right AIMS cabinet on the E2-1 shelf and connector DM34215AB at the E1-3 shelf (WDM 34-51-21).

J250-B	DM34215AB
pin A12	pin B13
pin B12	pin C13

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the IOM (M004) module. 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.

————— **END OF TASK** —————

811. VOR/MB Receiver-L No Input from AIMS-L on CMCS-L 429 BUS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49976.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 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.

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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, 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) If the MAT shows NOT ACTIVE for the maintenance message (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 VOR/MB receiver, M34115. To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.
 - (b) Remove the IOM (M009) module from the left AIMS cabinet, M31101. 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 and connector DM34115AB at the left VOR/MB receiver (WDM 34-51-11).

J420-A	DM34115AB
pin F11	pin B14
pin G12	pin C14
- (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 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.

————— **END OF TASK** —————

812. VOR/MB Receiver-R No Input from AIMS-L on CMCS-R 429 BUS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49977.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, 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 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, 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) If the MAT shows NOT ACTIVE for the maintenance message (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 VOR/MB receiver, M34215. To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.

- (b) Remove the IOM (M004) module from the left AIMS cabinet, M31101. 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 J250-A at the left AIMS cabinet on the E3-1 shelf and connector DM34215AB at the right VOR/MB receiver (WDM 34-51-21).

J250-A

pin F11

pin G12

DM34215AB

pin B14

pin C14

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

- 1) Repair the wiring.

- 2) Re-install the IOM (M004) module. 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.

————— **END OF TASK** —————

813. VOR/MB Receiver-L No Input from CDU-L on NAVAID TUNE-L 429 BUS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-47041.

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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 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 Control Display Unit (CDU), N34103.
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.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (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 VOR/MB receiver, M34115. To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.
 - (b) Remove the left CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (c) Do a wiring check between these pins of connector DN34103C at the left CDU, N34103 on the P9 aisle stand panel and connector DM34115AB at the left ILS receiver (WDM 34-51-11).

DN34103C

pin 9 pin B9
pin 10 pin C9

DM34115AB

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left CDU, N34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801
 - 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.

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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** —————

814. VOR/MB Receiver-R No Input from CDU-R on NAVAID TUNE-R 429 BUS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-47043.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 Control Display Unit (CDU), N34203.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 VOR/MB receiver, M34215. To remove it, do this task: VOR/MB Receiver Removal, AMM TASK 34-51-01-000-801.

- (b) Remove the right CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.

- (c) Do a wiring check between these pins of connector DN34203C at the right CDU, N34203 on the P9 aisle stand panel and connector DM34215AB at the right ILS receiver (WDM 34-51-21).

DN34203C

pin 9 pin B9

pin 10 pin C9

DM34215AB

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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 right CDU, N34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.

END OF TASK

815. VOR/MB Receiver-L No VOR Ident Audio - Fault Isolation

A. Initial Evaluation

NOTE: This fault can only occur during flight. When the airplane is on the ground, it is not possible to simulate the conditions which cause this fault.

B. Fault Isolation Procedure

- (1) 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.

- (a) If the fault does not occur on subsequent flights, then you corrected the fault.

- (b) If the fault occurs on subsequent flights, then continue.

- (2) Replace the audio management unit (AMU), 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.

- (a) If the fault does not occur on subsequent flights, then you corrected the fault.

- (b) If the fault occurs on subsequent flights, then continue.

- (3) 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) Remove the AMU, M23008. To remove it, do this task: Audio Management Unit (AMU) Removal, AMM TASK 23-51-04-000-801

- (c) Do a wiring check between these pins of connector DM23008AA at the AMU, M23008, on the E1-4 shelf and connector DM34115AB at the left VOR/MB receiver (WDM 34-51-11).

DM23008AA

DM34115AB

pin F7 pin B7

pin F8 pin C7

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

- 1) Repair the wiring.

- 2) Re-install the AMU, M23008. To install it, do this task: Audio Management Unit (AMU) Installation, AMM TASK 23-51-04-400-801.

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- 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 fault does not occur on subsequent flights, then you corrected the fault.

————— **END OF TASK** —————

816. VOR/MB Receiver-R No VOR Ident Audio - Fault Isolation

A. Initial Evaluation

NOTE: This fault can only occur during flight. When the airplane is on the ground, it is not possible to simulate the conditions which cause this fault.

B. Fault Isolation Procedure

- (1) 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.

- (a) If the fault does not occur on subsequent flights, then you corrected the fault.
- (b) If the fault occurs on subsequent flights, then continue.

- (2) Replace the audio management unit (AMU), 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.

- (a) If the fault does not occur on subsequent flights, then you corrected the fault.
- (b) If the fault occurs on subsequent flights, then continue.

- (3) 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) Remove the AMU, M23008. To remove it, do this task: Audio Management Unit (AMU) Removal, AMM TASK 23-51-04-000-801
- (c) Do a wiring check between these pins of connector DM23008AC at the AMU, M23008, on the E1-4 shelf and connector DM34215AB at the right VOR/MB receiver (WDM 34-51-21).

DM23008AC

DM34215AB

pin F4 pin B7

pin F3 pin C7

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the AMU, M23008. To install it, do this task: Audio Management Unit (AMU) Installation, AMM TASK 23-51-04-400-801.
 - 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 fault does not occur on subsequent flights, then you corrected the fault.

————— **END OF TASK** —————

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817. VOR/MB Receiver-L Course Data Blank - Fault Isolation

A. Initial Evaluation

- (1) Look at the Extended Maintenance, Existing Faults display on the MAT.
 - (a) If a maintenance message related to the VOR/MB receiver shows in the 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.
- (2) If a maintenance message related to the VOR/MB receiver does not show in Existing Faults, then there was an intermittent fault.

———— **END OF TASK** ————

818. VOR/MB Receiver-R Course Data Blank - Fault Isolation

A. Initial Evaluation

- (1) Look at the Extended Maintenance, Existing Faults display on the MAT.
 - (a) If a maintenance message related to the VOR/MB receiver shows in the 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.
- (2) If a maintenance message related to the VOR/MB receiver does not show in Existing Faults, then there was an intermittent fault.

———— **END OF TASK** ————

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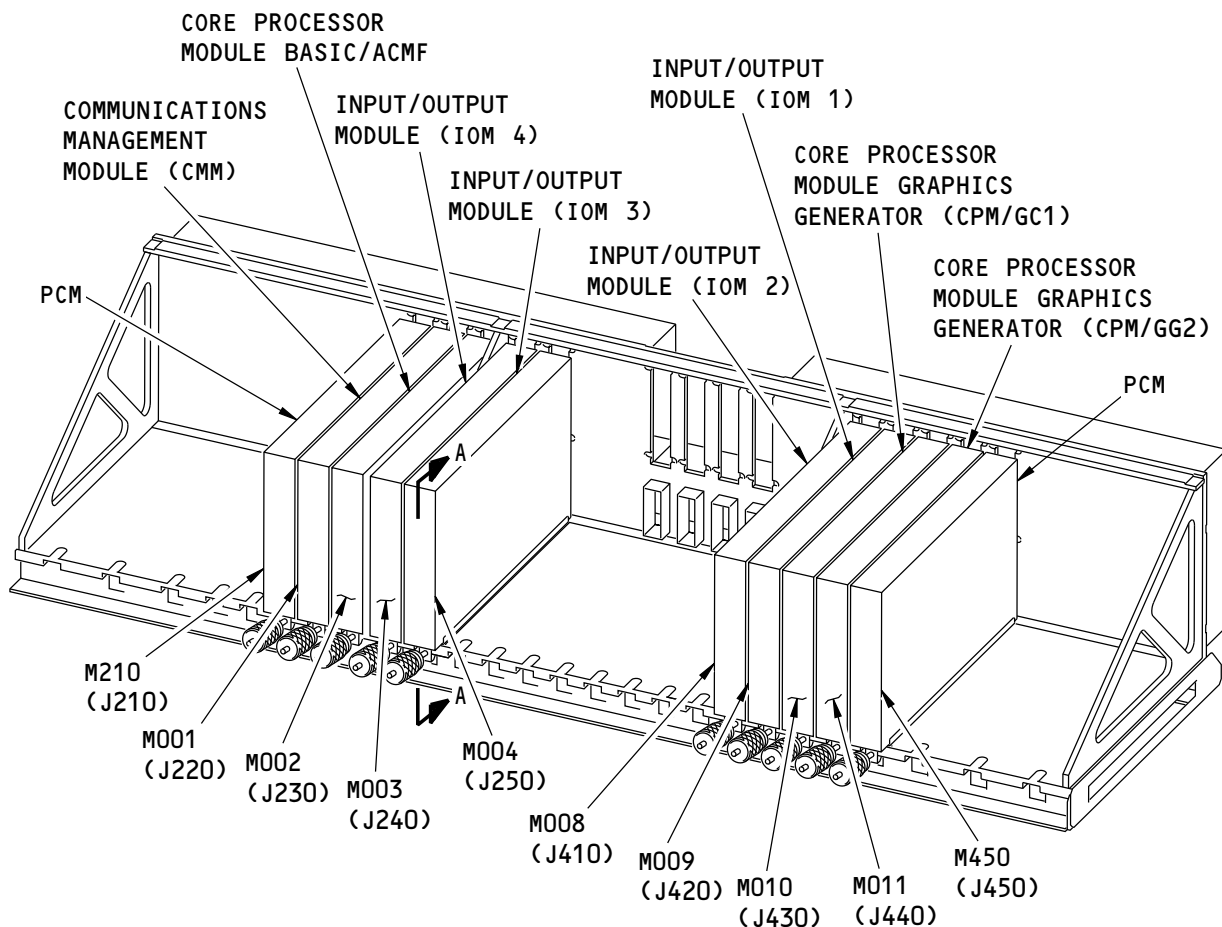
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ELECTRONIC EQUIPMENT RACK

2178748 S0000480931_V1

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Figure 301/34-51-00-990-801 (Sheet 1 of 2)

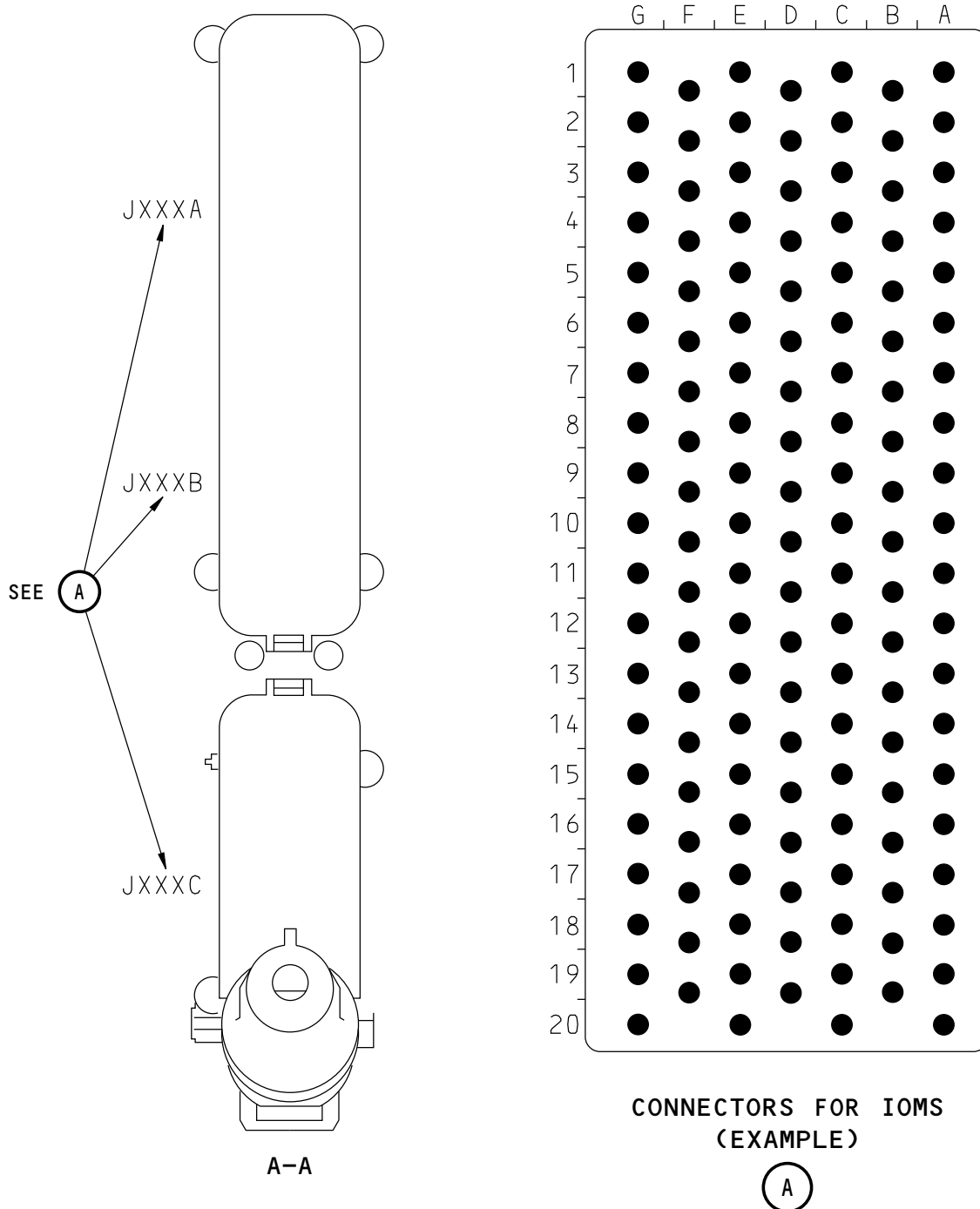
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NOTE: XXX = CONNECTOR NUMBER

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Airplane Information Management System (AIMS) Overview
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801. Left Air Traffic Control (ATC) Transponder Internal Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-48011.

B. Initial Evaluation

NOTE: High powered television station broadcasting has been found to interfere with the Air Traffic Control (ATC) transponder and cause it to send a nuisance "Traffic Alert and Collision Avoidance System (TCAS)" Engine Indication and Crew Alerting System (EICAS) advisory message and "TRANSPONDER LEFT (or) RIGHT" EICAS status message during flight. This condition does not affect ATC transponder operation.

- (1) Switch the transponder to the opposite side when the fault occurs, and then switch back to the original position.
- (2) If the message disappears, the condition may be considered a nuisance and ignored.
- (3) If the message still shows, do the fault isolation procedure for the correlated maintenance message.

C. Fault Isolation Procedure

- (1) Replace the left ATC transponder, M34107, at the E1-3.

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.

————— END OF TASK —————

802. Right Air Traffic Control (ATC) Transponder Internal Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-48012.

B. Initial Evaluation

NOTE: High powered television station broadcasting has been found to interfere with the ATC transponder and cause it to send a nuisance "TCAS" EICAS advisory message and "TRANSPONDER LEFT (or) RIGHT" EICAS status message during flight. This condition does not affect ATC transponder operation.

- (1) Switch the transponder to the opposite side when the fault occurs, and then switch back to the original position.
- (2) If the message disappears, the condition may be considered a nuisance and ignored.
- (3) If the message still shows, do the fault isolation procedure for the correlated maintenance message.

C. Fault Isolation Procedure

- (1) Replace the right ATC transponder, M34207, at the E2-3.

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.

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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 —————

803. Air Traffic Control Top Antenna Problem - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-48020.

B. Initial Evaluation

- (1) Do this task: Air Traffic Control/Mode S Transponder System - Operational Test, Air Traffic Control/Mode S Transponder System - Operational Test, AMM TASK 34-53-00-710-801.
 - (a) If the test PASSED, replace the applicable ATC antenna that was reported as intermittently faulted.
 - (b) If the test FAILED, use the ACTIVE maintenance message to troubleshoot the fault. If necessary, refer to applicable Maintenance Message Index in the FIM.

C. Fault Isolation Procedure

- (1) Do this check of the wiring:
 - (a) Disconnect connector DK34101B at the E1-5 shelf.
 - (b) Do a wiring check between pin A1 of DK34101B and structure ground (WDM 34-53-14).
 - (c) 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.
 - (d) If you do not find a problem with the wiring, then continue.
 - (e) Re-connect connector DK34101B.
- (2) Replace the top ATC coax relay, K34101.

These are the tasks:

ATC Coax Relay Removal, AMM TASK 34-53-04-000-801,

ATC Coax Relay Installation, AMM TASK 34-53-04-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 top ATC antenna, M34119.

These are the tasks:

ATC Antenna Removal, AMM TASK 34-53-03-000-801,

ATC Antenna Installation, AMM TASK 34-53-03-400-801.

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

————— END OF TASK —————

804. Left ATC Transponder To Top ATC Antenna Problem - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-48021.

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B. Initial Evaluation

- (1) Do this task: Air Traffic Control/Mode S Transponder System - Operational Test, Air Traffic Control/Mode S Transponder System - Operational Test, AMM TASK 34-53-00-710-801.
 - (a) If the test PASSED, replace the applicable ATC antenna that was reported as intermittently faulted.
 - (b) If the test FAILED, use the ACTIVE maintenance message to troubleshoot the fault. If necessary, refer to applicable Maintenance Message Index in the FIM.

C. Fault Isolation Procedure

- (1) Replace the left ATC transponder, M34107, at the E1-3 shelf.

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.
- (2) Do this wiring check:
 - (a) Remove the left ATC transponder, M34107, at the E1-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - (b) Do a wiring check between pin 71 of DM34107AA and structure ground (WDM 34-53-14).
 - (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (d) If you do not find a problem with the wiring, then continue.
 - (e) Re-install the left ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- (3) Replace the top ATC coax relay, K34101. To replace it,

These are the tasks:
ATC Coax Relay Removal, AMM TASK 34-53-04-000-801,
ATC Coax Relay Installation, AMM TASK 34-53-04-400-801.

 - (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. Right ATC Transponder To Top ATC Antenna Problem - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-48022.

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B. Initial Evaluation

- (1) Do this task: Air Traffic Control/Mode S Transponder System - Operational Test, Air Traffic Control/Mode S Transponder System - Operational Test, AMM TASK 34-53-00-710-801.
 - (a) If the test PASSED, replace the applicable ATC antenna that was reported as intermittently faulted.
 - (b) If the test FAILED, use the ACTIVE maintenance message to troubleshoot the fault. If necessary, refer to applicable Maintenance Message Index in the FIM.

C. Fault Isolation Procedure

- (1) Replace the right ATC transponder, M34207, at the E2-3 shelf.

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.
- (2) Do this wiring check:
 - (a) Remove the right ATC transponder, M34207, at the E2-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - (b) Do a check for a short circuit between pin 71 of DM34207AA and structure ground (WDM 34-53-14).
 - (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (d) If you do not find a problem with the wiring, then continue.
 - (e) Re-install the right ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- (3) Replace the top ATC coax relay, K34101.

These are the tasks:

ATC Coax Relay Removal, AMM TASK 34-53-04-000-801,
ATC Coax Relay Installation, AMM TASK 34-53-04-400-801.

 - (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. Air Traffic Control Bottom Antenna Problem - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-48030.

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B. Initial Evaluation

- (1) Do this task: Air Traffic Control/Mode S Transponder System - Operational Test, Air Traffic Control/Mode S Transponder System - Operational Test, AMM TASK 34-53-00-710-801.
 - (a) If the test PASSED, replace the applicable ATC antenna that was reported as intermittently faulted.
 - (b) If the test FAILED, use the ACTIVE maintenance message to troubleshoot the fault. If necessary, refer to applicable Maintenance Message Index in the FIM.

C. Fault Isolation Procedure

- (1) Do this check of the wiring:
 - (a) Disconnect connector DK34201B at the E2-5 shelf.
 - (b) Do a wiring check between pin A1 of DK34201B and structure ground (WDM 34-53-14).
 - (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DK34201B.
 - 3) 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.
 - (e) Re-connect connector DK34201B.
- (2) Replace the bottom ATC coax relay, K34201.

These are the tasks:

ATC Coax Relay Removal, AMM TASK 34-53-04-000-801,

ATC Coax Relay Installation, AMM TASK 34-53-04-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 bottom ATC antenna, M34219.

These are the tasks:

ATC Antenna Removal, AMM TASK 34-53-03-000-801,

ATC Antenna Installation, AMM TASK 34-53-03-400-801.

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

————— END OF TASK —————

807. Left ATC Transponder To Bottom ATC Antenna Problem - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-48031.

B. Initial Evaluation

- (1) Do this task: Air Traffic Control/Mode S Transponder System - Operational Test, Air Traffic Control/Mode S Transponder System - Operational Test, AMM TASK 34-53-00-710-801.
 - (a) If the test PASSED, replace the applicable ATC antenna that was reported as intermittently faulted.

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- (b) If the test FAILED, use the ACTIVE maintenance message to troubleshoot the fault. If necessary, refer to applicable Maintenance Message Index in the FIM.

C. Fault Isolation Procedure

- (1) Replace the left ATC transponder, M34107, at the E1-3 shelf.

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.
- (2) Do this check of the wiring:
 - (a) Remove the left ATC transponder, M34107, at the E1-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - (b) Do a check for a short circuit between pin 71 of DM34107AB and structure ground (WDM 34-53-14).
 - (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (d) If you do not find a problem with the wiring, then continue.
 - (e) Re-install the left ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- (3) Replace the bottom ATC coax relay, K34201.

These are the tasks:

ATC Coax Relay Removal, AMM TASK 34-53-04-000-801,

ATC Coax Relay Installation, AMM TASK 34-53-04-400-801.

- (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. Right ATC Transponder To Bottom ATC Antenna Problem - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-48032.

B. Initial Evaluation

- (1) Do this task: Air Traffic Control/Mode S Transponder System - Operational Test, Air Traffic Control/Mode S Transponder System - Operational Test, AMM TASK 34-53-00-710-801.
 - (a) If the test PASSED, replace the applicable ATC antenna that was reported as intermittently faulted.
 - (b) If the test FAILED, use the ACTIVE maintenance message to troubleshoot the fault. If necessary, refer to applicable Maintenance Message Index in the FIM.

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C. Fault Isolation Procedure

- (1) Replace the right ATC transponder, M34207, at the E2-3 shelf.

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.
- (2) Do this check of the wiring:
 - (a) Remove the right ATC transponder, M34207, at the E2-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - (b) Do a check for a short circuit between pin 71 of DM34207AB and structure ground (WDM 34-53-14).
 - (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (d) If you do not find a problem with the wiring, then continue.
 - (e) Re-install the right ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- (3) Replace the bottom ATC coax relay, K34201.

These are the tasks:

ATC Coax Relay Removal, AMM TASK 34-53-04-000-801,

ATC Coax Relay Installation, AMM TASK 34-53-04-400-801.

 - (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. Left ATC Transponder Has No Output On Any Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-48801.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 ATC transponder, M34107, at the E1-3 shelf.

These are the tasks:

ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801,

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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.

————— **END OF TASK** —————

810. Right ATC Transponder Has No Output On Any Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-48802.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 ATC transponder, M34207, at the E2-3 shelf.

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.

————— **END OF TASK** —————

811. ATC/TCAS Control Panel Has No Output On Any Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-48803.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 ATC/TCAS Control Panel, M34011, at the P8 AFT ISLE STAND.

These are the tasks:

TCAS/ATC Control Panel Removal, AMM TASK 34-53-02-000-801,

TCAS/ATC Control Panel Installation, AMM TASK 34-53-02-400-801.

- (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** —————

812. Left Transponder Has No XT Coord #1 Output - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-48891.

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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 ATC transponder, M34107, at the E1-3 shelf.

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.
- (2) Do this check of the wiring:
 - (a) Remove the left ATC transponder, M34107, at the E1-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - (b) Remove the module, M003, in the AIMS Cabinet - Left, M31101 at the E3-1 shelf. 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 DM34107AA at the E1-3 shelf and connector P3-A or J240-B at the E3-1 shelf (WDM 34-53-12):

AIMS MODULE CONNECTOR (AIMS-L)	ATC/MODE S TRANSPONDER DM34107AA	AIMS 1 CONNECTOR P3-A	AIMS 2 CONNECTOR J240-B
IOM (M003)	pin G5	pin B6	pin A1
IOM (M003)	pin H5	pin B7	pin B1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) Re-install the AIMS module, M003. 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.
- (3) Do this check of the wiring:
 - (a) Remove the left ATC transponder, M34107, at the E1-3 shelf. 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 module, M009, in the AIMS Cabinet - Right, M31201 at the E2-1 shelf. 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 DM34107AA at the E1-3 shelf and connector P9-A or J420-B at the E2-1 shelf (WDM 34-53-12):

AIMS MODULE CONNECTOR (AIMS-R)	ATC/MODE S TRANSPONDER DM34107AA	AIMS 1 CONNECTOR P9-A	AIMS 2 CONNECTOR J420-B
IOM (M009)	pin G5	pin B16	pin A6
IOM (M009)	pin H5	pin B17	pin B6

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the left ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) Re-install the AIMS module, M009. 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 —

813. Right ATC Transponder Has No Output On The CMCS Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-48892.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 ATC transponder, M34207, at the E2-3 shelf.

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.
- (2) Do this check of the wiring:
- (a) Remove the right ATC transponder, M34207, at the E2-3 shelf. 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 module, M004, in the AIMS Cabinet - Left, M31101, at the E3-1 shelf. 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 DM34207AB at the E2-3 shelf and connector P4-A at the E3-1 shelf (WDM 34-53-22):

DM34207AB	P4-A
pin C6	pin A4
pin D6	pin A5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) Re-install the module, M004. 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) Do this check of the wiring:
- (a) Remove the right ATC transponder, M34207, at the E2-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - (b) Remove the module, M004, in the AIMS Cabinet - right, M31201, at the E2-1 shelf. 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 DM34207AB at the E2-3 shelf and connector P4-A at the E2-1 shelf (WDM 34-53-22):

DM34207AB	P4-A
pin C6	pin A4
pin D6	pin A5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) Re-install the module, M004. 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** —————

814. Left ATC Transponder Has No Output On The CMCS Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-48893.

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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 ATC transponder, M34107, at the E1-3 shelf.

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.
- (2) If the problem continues, then do these steps:
 - (a) Remove the left ATC transponder, M34107, at the E1-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - (b) Remove the module, M009, in the AIMS Cabinet - Left, M31101, at the E3-1 shelf. 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 DM34107AB at the E1-3 shelf and connector P9-A at the E3-1 shelf (WDM 34-53-12):

DM34207AB	P9-A
pin C6	pin B8
pin D6	pin B9

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) Re-install the module, M009. 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) Do this check of the wiring:
 - (a) Remove the left ATC transponder, M34107, at the E1-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - (b) Remove the module, M009, in the AIMS Cabinet - Right, M31201, at the E2-1 shelf. 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 DM34107AB at the E1-3 shelf and connector P9-A at the E2-1 shelf (WDM 34-53-12):

DM34207AB	P9-A
pin C6	pin A10
pin D6	pin A11

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the left ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) Re-install the module, M009. 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** ————

815. ATC/TCAS Control Panel Has No Control Data Output To The Left ATC Transponder - 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 ATC/TCAS Control Panel, M34011, at the P8 AFT ISLE STAND.
These are the tasks:
TCAS/ATC Control Panel Removal, AMM TASK 34-53-02-000-801,
TCAS/ATC Control Panel Installation, AMM TASK 34-53-02-400-801.
 - (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:
 - (a) Remove the ATC/TCAS Control Panel, M34011, at the P8 AFT ISLE STAND. To remove it, do this task: TCAS/ATC Control Panel Installation, AMM TASK 34-53-02-400-801.
 - (b) Remove the left ATC transponder, M34107, at the E1-3 shelf. 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 DM34011A at the P8 AFT ISLE STAND and connector DM34107AA at the E1-3 shelf (WDM 34-53-11).

DM341011A	DM34107AA
pin 22	pin E7
pin 23	pin F7

- (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 ATC/TCAS control panel. To install it, do this task: TCAS/ATC Control Panel Installation, AMM TASK 34-53-02-400-801.
- 3) Re-install the left ATC transponder. 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.

————— **END OF TASK** —————

816. ATC/TCAS Control Panel Has No Control Data Output To The Right ATC Transponder - 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 ATC/TCAS Control Panel, M34011, at the P8 AFT ISLE STAND.
These are the tasks:
TCAS/ATC Control Panel Removal, AMM TASK 34-53-02-000-801,
TCAS/ATC Control Panel Installation, AMM TASK 34-53-02-400-801.
 - (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:
 - (a) Remove the ATC/TCAS Control Panel, M34011, at the P8 AFT ISLE STAND. To remove it, do this task: TCAS/ATC Control Panel Removal, AMM TASK 34-53-02-000-801.
 - (b) Remove the right ATC transponder, M34207, at the E2-3 shelf. 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 DM34011B at the P8 AFT ISLE STAND and connector DM34207AA at the E2-3 shelf (WDM 34-53-11).

DM341011B

pin 22
pin 23

DM34207AA

pin E7
pin F7

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the ATC/TCAS control panel. To install it, do this task: TCAS/ATC Control Panel Installation, AMM TASK 34-53-02-400-801.
 - 3) Re-install the right ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.

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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** —————

817. Left ATC Transponder Has No Input From L-AIMS (L-CMCS Bus) - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49982.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 ATC transponder, M34107, at the E1-3 shelf.

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.
- (2) Do this check of the wiring:
 - (a) Remove the left ATC transponder, M34107, at the E1-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - (b) Remove the module, M009, in the AIMS Cabinet - Left, M31101, at the E3-1 shelf. 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 DM34107AB at the E1-3 shelf and connector P9-B at the E3-1 shelf (WDM 34-53-12):

DM34107AB

pin A6 pin B14
pin B6 pin B15

P9-B

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) Re-install the module, M009. 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 —————

818. Right ATC Transponder Has No Input From L-AIMS (R-CMCS Bus) - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49983.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 ATC transponder, M34207, at the E1-3 shelf.

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.
- (2) Replace the module, M004, in the AIMS Cabinet - Left, M31101, at the E3-1 shelf.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,
- Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 ATC transponder, M34207, at the E2-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
- (b) Remove the module, M004, at the E3-1 shelf. 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 DM34207AB at the E2-3 shelf and connector P4-B at the E3-1 shelf (WDM 34-53-22):

DM34207AB

pin A6 pin B14
pin B6 pin B15

P4-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 right ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- 3) Re-install the module, M004. 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 —————

819. Left ATC Transponder Has No Input From L-AIMS (DCMF Data Bus) - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49985.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 ATC transponder, M34107, at the E1-3 shelf.
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.
- (2) Replace the module, M009, in the AIMS Cabinet - Left, M31101, at the E3-1 shelf.
These are the tasks:
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (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 ATC transponder, M34107, at the E1-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - (b) Remove the module, M009, in the AIMS Cabinet - Left, M31101, at the E3-1 shelf. 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 DM34107AB at the E1-3 shelf and connector P9-B at the E3-1 shelf (WDM 34-53-12):

DM34107AB	P9-B
pin A2	pin A14
pin B2	pin A15

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the left ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) Re-install the module, M009. 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 —————

820. Right ATC Transponder Has No Input From R-AIMS (DCMF Data Bus) - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49986.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 ATC transponder, M34207, at the E1-3 shelf.
- 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.
- (2) Replace the module, M009, in the AIMS Cabinet - Right, M31201, at the E2-1 shelf.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance 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:
- Remove the right ATC transponder, M34207, at the E2-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - Remove the module, M009, in the AIMS Cabinet - Right, M31201, at the E2-1 shelf. 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 DM34207AA at the E2-3 shelf and connector P9-B at the E2-1 shelf (WDM 34-53-22):

DM34207AA	P9-B
pin A2	pin A14
pin B2	pin A15

- (d) If you find a problem with the wiring, then do these steps:
- Repair the wiring.
 - Re-install the right ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - Re-install the module, M009. 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** —————

821. Left ATC Transponder Has No Input From L-AIMS (General Purpose Bus 3) - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49988.

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 left ATC transponder, M34107, at the E1-3 shelf.
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.
 - 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 module, M003, in the AIMS Cabinet - Left, M31101, at the E3-1 shelf.

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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.
- (3) Do this check of the wiring:
 - (a) Remove the left ATC transponder, M34107, at the E1-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - (b) Remove the module, M003, in the AIMS Cabinet - Left, M31101, at the E3-1 shelf. 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 DM34107AA at the E1-3 shelf and connector P3-B at the E3-1 shelf (WDM 34-53-12):

DM34107AA	PB-3
pin H7	pin B14
pin J7	pin B15

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) Re-install the module, M003. 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.
- (4) Replace the left electronics unit, N46102.

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.
- (5) Replace the right electronics unit, 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.

————— **END OF TASK** —————

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822. Right ATC Transponder Has No Input From L-AIMS (General Purpose Bus 3) - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49989.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 ATC transponder, M34207, at the E2-3 shelf.

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.
- (2) Do this check of the wiring:
 - (a) Remove the right ATC transponder, M34207, at the E2-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - (b) Remove the module, M003, in the AIMS Cabinet - Left, M31101, at the E3-1 shelf. 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 DM34207AB at the E2-3 shelf and connector P3-B at the E3-1 shelf (WDM 34-53-12):

DM34207AB

pin A5 pin B14
pin B5 pin B15

P3-B

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) Re-install the module, M003. 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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823. Left Transponder Has No Input From R-AIMS (General Purpose Bus 3) - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49991.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 ATC transponder, M34107, at the E1-3 shelf.

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.
- (2) Do this check of the wiring:
 - (a) Remove the left ATC transponder, M34107, at the E1-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - (b) Remove the module, M003, in the AIMS Cabinet - Right, M31201, at the E2-1 shelf. 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 DM34107AB at the E2-3 shelf and connector P3-B at the E2-1 shelf (WDM 34-53-12):

DM34107AB

pin A5 pin B14
pin B5 pin B15

P3-B

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) Re-install the module, M003. 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. Right Transponder Has No Input From R-AIMS (General Purpose Bus 3) - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49992.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 ATC transponder, M34207, at the E2-3 shelf.

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.
- (2) Replace the module, M003, in the AIMS Cabinet - Right, M31201, at the E2-1 shelf.
These are the tasks:
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
(a) If the MAT shows NOT ACTIVE for the maintenance message (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 ATC transponder, M34207, at the E2-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - (b) Remove the module, M003, in the AIMS Cabinet - Right, M31201, at the E2-1 shelf. 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 DM34207AA at the E2-3 shelf and connector P3-B at the E2-1 shelf (WDM 34-53-22):

DM34207AA

pin H7 pin B14

pin J7 pin B15

P3-B

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

- 1) Repair the wiring.
- 2) Re-install the right ATC transponder. 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 module, M003. 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.
- (4) Replace the left electronics unit, N46102.
- 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.
- (5) Replace the right electronics unit, 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.

————— END OF TASK —————

825. ATC Transponder (Left) No Input from Control Panel Control Data 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49994.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 TCAS/ATC control panel, M34011, at the aisle stand.
- These are the tasks:
- TCAS/ATC Control Panel Removal, AMM TASK 34-53-02-000-801,
TCAS/ATC Control Panel Installation, AMM TASK 34-53-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:

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- (a) Remove the TCAS/ATC control panel, M34011. To remove it, do this task: TCAS/ATC Control Panel Removal, AMM TASK 34-53-02-000-801.
- (b) Remove the left 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 DM34011A at the pilots' aisle stand and connector DM34107AA at the E1-3 shelf (WDM 34-53-11):

DM34011A

pin 22 pin E7
pin 23 pin F7

DM34107AA

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) Re-install the TCAS/ATC control panel. To install it, do this task: TCAS/ATC Control Panel Installation, AMM TASK 34-53-02-400-801.
 - 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.
 - (f) Re-install the TCAS/ATC control panel, M34011. To install it, do this task: TCAS/ATC Control Panel Installation, AMM TASK 34-53-02-400-801.
- (3) 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.
- (a) 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. Right ATC Transponder No Input From Control Panel Control Data Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49995.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 TCAS/ATC control panel, M34011, at the aisle stand.

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These are the tasks:

TCAS/ATC Control Panel Removal, AMM TASK 34-53-02-000-801,

TCAS/ATC Control Panel Installation, AMM TASK 34-53-02-400-801.

- (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:
 - (a) Remove the TCAS/ATC control panel, M34011, at the aisle stand. To remove it, do this task: TCAS/ATC Control Panel Removal, AMM TASK 34-53-02-000-801.
 - (b) Remove the right ATC transponder, M34207, at the E2-3 shelf. 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 DM34011B at the aisle stand and connector DM34207AA at the E2-3 shelf (WDM 34-53-21):

DM34011B

pin 22 pin E7

pin 23 pin F7

DM34207AA

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) Re-install the TCAS/ATC control panel. To install it, do this task: TCAS/ATC Control Panel Installation, AMM TASK 34-53-02-400-801.
 - 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 do these steps:
 - 1) Replace the right ATC 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.
 - 2) Re-install the TCAS/ATC control panel. To install it, do this task: TCAS/ATC Control Panel Installation, AMM TASK 34-53-02-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

827. Left ATC/Mode S Transponder No Input from TCAS Computer TX COORD #1 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49997.

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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.

NOTE: For Collins TTR 920 Series TCAS Computers:

This maintenance message may be ignored if it is intermittent.

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 transponder, M34107, at the E1-3 shelf.

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.
- (2) Replace the TCAS computer, M34006, at the E1-2 shelf.
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.
- (3) Do this check of the wiring:
 - (a) Remove the left ATC transponder, M34107, at the E1-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - (b) Remove the TCAS computer, M34006, at the E1-2 shelf. 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 connector DM34107AA at the E1-3 shelf and connector DM34006AE at the E1-2 shelf (WDM 34-53-12):

DM34107AA

pin E5

pin F5

DM34006AE

pin J15

pin K15

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 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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- 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. Right ATC/Mode S Transponder No Input from TCAS Computer TX COORD #2 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49998.

B. Initial Evaluation

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

NOTE: For Collins TTR 920 Series TCAS Computers:

This maintenance message may be ignored if it is intermittent.

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 ATC transponder, M34207, at the E2-3 shelf.

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.
- (2) Replace the TCAS computer, M34006, at the E1-2 shelf.
- 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.
- (3) Do this check of the wiring:
- (a) Remove the right ATC transponder, M34207, at the E2-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
- (b) Remove the TCAS computer, M34006, at the E1-2 shelf. 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 connector DM34207AA at the E2-3 shelf and connector DM34006AE at the E1-2 shelf (WDM 34-53-12):

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DM34207AA

pin E5 pin A14
pin F5 pin B14

DM34006AE

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the right ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) Re-install the TCAS computer. 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.

————— **END OF TASK** —————

829. Left ATC Transmission Problem - 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 ATC transponder, M34107, at the E1-3 shelf.

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.
- (2) Do this check of the wiring:
 - (a) Remove the left ATC transponder, M34107, at the E1-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - (b) Do a check for a short circuit between pin 71 of DM34107AA and structure ground (WDM 34-53-14).
 - (c) Do a check for a short circuit between pin 71 of DM34107AB and structure ground (WDM 34-53-14).
 - (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 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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830. Right ATC Transmission Problem - 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 ATC transponder, M34207, at the E2-3 shelf.
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.
- (2) Do this check of the wiring:
 - (a) Remove the right ATC transponder, M34207, at the E2-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - (b) Do a check for a short circuit between pin 71 of DM34207AA and structure ground (WDM 34-53-14).
 - (c) Do a check for a short circuit between pin 71 of DM34207AB and structure ground (WDM 34-53-14).
 - (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 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** —————

831. ATC Transmission Problem - 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 ATC transponder, M34107, at the E1-3 shelf and the right ATC transponder, M34207, at the E2-3 shelf.
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.

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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) Disconnect connector DK34101B on the top ATC coax relay, K34101, at the E1-5 shelf.
 - (b) Do a check for a short circuit between pin A1 of DK34101B and structure ground (WDM 34-53-14).
 - (c) 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.
 - (d) If you do not find a problem with the wiring, then continue.
 - (e) Re-connect connector DK34101B.
- (3) Replace the top ATC coax relay, K34101.

These are the tasks:

ATC Coax Relay Removal, AMM TASK 34-53-04-000-801,
ATC Coax Relay Installation, AMM TASK 34-53-04-400-801.

 - (a) If the MAT shows NOT ACTIVE for the maintenance message (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 top ATC antenna, M34119.

These are the tasks:

ATC Antenna Removal, AMM TASK 34-53-03-000-801,
ATC Antenna Installation, AMM TASK 34-53-03-400-801.

 - (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.
- (5) Do this check of the wiring:
 - (a) Disconnect connector DK34201B on the bottom ATC coax relay, K34201, at the E1-5 shelf.
 - (b) Do a check for a short circuit between pin A1 of DK34201B and structure ground (WDM 34-53-14).
 - (c) 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.
 - (d) If you do not find a problem with the wiring, then continue.
 - (e) Re-connect connector DK34201B.
- (6) Replace the bottom ATC coax relay, K34201.

These are the tasks:

ATC Coax Relay Removal, AMM TASK 34-53-04-000-801,

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ATC Coax Relay Installation, AMM TASK 34-53-04-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (7) Replace the bottom ATC antenna, M34219.

These are the tasks:

ATC Antenna Removal, AMM TASK 34-53-03-000-801,

ATC Antenna Installation, AMM TASK 34-53-03-400-801.

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

————— **END OF TASK** —————

832. ATC/TCAS Control Panel Problem - Fault Isolation

A. **Fault Isolation Procedure**

- (1) Replace the ATC/TCAS control panel, M34011, at the P8 AFT aisle.

These are the tasks:

TCAS/ATC Control Panel Removal, AMM TASK 34-53-02-000-801,

TCAS/ATC Control Panel Installation, AMM TASK 34-53-02-400-801.

- (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** —————

833. Right Transponder Has No XT Coord #2 Output - Fault Isolation

A. **Maintenance Messages**

- (1) This task is for maintenance message: 34-48894.

B. **Initial Evaluation**

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 ATC transponder, M34207, at the E2-3 shelf.

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.

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- (2) Do this check of the wiring:
- (a) Remove the right ATC transponder, M34207, at the E2-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - (b) Remove the module, M004, in the AIMS Cabinet - Left, M31101 at the E3-1 shelf. 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 DM34207AA at the E2-3 shelf and connector D6617 at the E3-1 shelf (WDM 34-53-22):

DM34207AA	D6617
pin G5	pin 8
pin H5	pin 9

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) Re-install the AIMS module, M004. 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.
- (3) Do this check of the wiring:
- (a) Remove the right ATC transponder, M34207, at the E2-3 shelf. To remove it, do this task: ATC/Mode S Transponder Removal, AMM TASK 34-53-01-000-801.
 - (b) Remove the module, M003, in the AIMS Cabinet - Right, M31201 at the E2-1 shelf. 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 DM34207AA at the E2-3 shelf and connector D6718 at the E2-1 shelf (WDM 34-53-22):

DM34207AA	D6718
pin G5	pin 21
pin H5	pin 22

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right ATC transponder. To install it, do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - 3) Re-install the AIMS module, M003. 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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834. EICAS message ATC - Fault Isolation

A. Initial Evaluation

NOTE: This message shows when a medium or high priority ATC datalink communication requiring attention and prompt response exists for display on the MFD comm display. No maintenance action is necessary.

————— **END OF TASK** —————

835. EICAS message ATC Datalink Lost - Fault Isolation

A. Initial Evaluation

NOTE: This message shows when there is no current ATC end-system connection established/logged on. No maintenance action is necessary.

- (1) Use the voice procedures for the ATC communications until within data link coverage.
- (2) Change the VHF/SATCOM voice modes to data, if desired.

————— **END OF TASK** —————

836. EICAS Status Message TRANSPONDER L/R - Fault Isolation

A. Initial Evaluation

- (1) Do the fault isolation procedure for the correlated maintenance message.

————— **END OF TASK** —————

ARO 001, 002, 004-999; ARO 003 PRE SB 777-31-0264 AND PRE SB 777-31-0218 OR PRE SB 777-31-0263 OR POST SB 777-31-0227 OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218

837. ADS-B OUT L - Fault Isolation

A. Initial Evaluation

- (1) If the EICAS advisory or status message ADS-B OUT L shows, then do the Fault Isolation Procedure below.

B. Fault Isolation Procedure

- (1) Do this task: (Global Positioning System - Operational Test, AMM TASK 34-58-00-710-801).
 - (a) If the test PASSED, then continue.
 - (b) If the test FAILED, use the ACTIVE maintenance message to troubleshoot the fault. If necessary, refer to applicable Maintenance Message Index in the FIM.
- (2) Do this check of the wiring:
 - (a) Remove the left MMR, M34410, at the E1-2. Do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (b) Remove the left ATC transponder, M34107, at the E1-3. 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 the connector DM34410AB at the E1-2 shelf (WDM 34-58-11):

DM34410AB

pin E9

pin F9

DM34107AA

pin A2

pin B2

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

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ARO 001, 002, 004-999; ARO 003 PRE SB 777-31-0264 AND PRE SB 777-31-0218 OR PRE SB 777-31-0263 OR POST SB 777-31-0227 OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218
(Continued)

- 1) Repair the wiring.
 - 2) Re-install the left MMR, M34410. Do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
 - 3) Re-install the left ATC transponder, M34107. Do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
- (e) If no wiring problem exists, then continue.
- (3) Replace the left ATC transponder, M34107, at the E1-3.
- 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 message does not show, you corrected the fault.

— END OF TASK —

838. ADS-B OUT R - Fault Isolation

A. Initial Evaluation

- (1) If the EICAS advisory or status message ADS-B OUT R shows, then do the Fault Isolation Procedure below.

B. Fault Isolation Procedure

- (1) Do this task: (Global Positioning System - Operational Test, AMM TASK 34-58-00-710-801).
- (a) If the test PASSED, then continue.
 - (b) If the test FAILED, use the ACTIVE maintenance message to troubleshoot the fault. If necessary, refer to applicable Maintenance Message Index in the FIM.
- (2) Do this check of the wiring:
- (a) Remove the right MMR, M34510, at the E2-3. Do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (b) Remove the right ATC transponder, M34207, at the E2-3. 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 DM34207AA at the E2-3 shelf and the connector DM34510AB at the E2-3 shelf (WDM 34-58-21):
- | DM34510AB | DM34207AA |
|------------------|-----------|
| pin E9 | pin A2 |
| pin F9 | pin B2 |
- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right MMR, M34510. Do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
 - 3) Re-install the right ATC transponder, M34207. Do this task: ATC/Mode S Transponder Installation, AMM TASK 34-53-01-400-801.
 - (e) If no wiring problem exists, then continue.

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ARO 001, 002, 004-999; ARO 003 PRE SB 777-31-0264 AND PRE SB 777-31-0218 OR PRE SB 777-31-0263 OR POST SB 777-31-0227 OR POST SB 777-31-0263 OR POST SB 777-31-0264 OR POST SB 777-31-0218
(Continued)

- (3) Replace the right ATC transponder, M34207, at the E2-3.

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 message does not show, you corrected the fault.

————— **END OF TASK** —————

ARO 005-999

839. ADS-B IN - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-45040.

B. Description

- (1) ADS-B IN is defective or not wired.

C. Possible Causes

- (1) Wiring
- (2) Left Multimode Receiver (MMR), M34410
- (3) Right MMR, M34510

D. Related Data

- (1) WDM 34-58-11
- (2) WDM 34-58-21

E. Initial Evaluation

- (1) If the Maintenance Access Terminal (MAT) shows ACTIVE or LATCHED for the maintenance message and ADS-B IN is not wired, then the maintenance message is a nuisance message and no action is necessary.
- (2) If the MAT shows ACTIVE or LATCHED for the maintenance message and ADS-B IN is wired, then do this Ground Test (How to Do a Ground Test, AMM TASK 45-10-00-740-819):
 - 34 Traffic Alert and Collision Avoidance System
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then there was an intermittent problem.
 - (b) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.

F. Fault Isolation Procedure

- (1) Do this check of the wiring (WDM 34-58-11, WDM 34-58-21):
 - (a) Remove the applicable MMR. This is the task: MMR Removal, Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (b) Remove the TCAS, M34006, at the E1-2. This is the task: TCAS Computer Removal, AMM TASK 34-45-01-000-801
 - (c) Do the ARINC 429 wiring check between these pins of connector DM34410AB at the E1-2 shelf and the connector DM34006AE at the E1-2 shelf (WDM 34-58-11).

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DM34410AB

pin E9
pin F9

DM34006AE

pin E11
pin F11

- (d) Do the ARINC 429 wiring check between these pins of connector DM34510AB at the E2-3 shelf and the connector DM34006AE at the E1-2 shelf (WDM 34-58-21).

DM34510AB

pin E9
pin F9

DM34006AE

pin C15
pin D15

- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the applicable MMR. This is the task: MMR Installation, Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
 - 3) Re-install the TCAS, M34006. This is the task: TCAS Computer Installation, AMM TASK 34-45-01-400-801.
 - 4) Do this Ground Test (How to Do a Ground Test, AMM TASK 45-10-00-740-819):
 - 34 Traffic Alert and Collision Avoidance System
 - a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the problem.
- (f) If you do not find a problem with the wiring, then continue.
- (2) Replace the applicable MMR. These are the tasks:
- MMR Removal, Receiver for ILS - Removal, AMM TASK 34-31-01-000-801
 - MMR Installation, Receiver for ILS - Installation, AMM TASK 34-31-01-400-801
- (a) Do this Ground Test (How to Do a Ground Test, AMM TASK 45-10-00-740-819):
- 34 Traffic Alert and Collision Avoidance System
 - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the problem.

———— **END OF TASK** ————

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1. ATC ENHANCED SURVEILLANCE PARAMETERS

- A. Downlink Of Aircraft Parameters (DAP) data sources for Elementary Surveillance, Enhanced Surveillance and Extended Squitter.

Table 301/34-53-00-993-801 ELEMENTARY SURVEILLANCE (ELE)

DAP	SOURCE	AMM REFERENCE	FIM REFERENCE
FLIGHT ID	FMS	AMM PAGEBLOCK 34-61-00/501	34-61 TASK 874

Table 302/34-53-00-993-802 ENHANCED SURVEILLANCE (EHS)

DAP	SOURCE	AMM REFERENCE	FIM REFERENCE
MAGNETIC HEADING	AIMS	AMM PAGEBLOCK 34-21-00/501	34-21 TASK 892
AIRSPEED	AIMS	AMM PAGEBLOCK 34-21-00/501	34-21 TASK 892
SELECTED ALTITUDE	MCP	AMM PAGEBLOCK 22-11-00/501	22-11 TASK 806
VERTICAL RATE	AIMS	AMM PAGEBLOCK 34-21-00/501	34-21 TASK 892
ROLL ANGLE	AIMS	AMM PAGEBLOCK 34-21-00/501	34-21 TASK 892
TRACK ANGLE RATE	See NOTE	See NOTE	See NOTE
GROUND SPEED	AIMS	AMM PAGEBLOCK 34-21-00/501	34-21 TASK 892
TRUE TRACK ANGLE	AIMS	AMM PAGEBLOCK 34-21-00/501	34-21 TASK 892

NOTE: Track angle rate is not available but can be derived from Roll Angle and True Airspeed which are available.

Table 303/34-53-00-993-803 EXTENDED SQUITTER (ES)

DAP	SOURCE	AMM REFERENCE	FIM REFERENCE
GPS POSITION	MMR	AMM PAGEBLOCK 34-58-00/501	34-31 TASK 846
GPS VELOCITY	MMR	AMM PAGEBLOCK 34-58-00/501	34-31 TASK 846

- B. Refer to the applicable Wire Diagram Manual for more fault isolation data.

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801. Left DME Interrogator Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49011.

B. Fault Isolation Procedure

- (1) Do the Distance Measuring Equipment System - System Test, AMM TASK 34-55-00-730-801 for the left Distance Measuring Equipment (DME).
 - (a) If the left DME user initiated functional test is passed, (LRU STATUS LED illuminates green), it is not necessary to remove and replace the DME.
- (2) 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.
- (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. Right DME Interrogator Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49013.

B. Fault Isolation Procedure

- (1) Do the Distance Measuring Equipment System - System Test, AMM TASK 34-55-00-730-801 for the right DME.
 - (a) If the right DME user initiated functional test is passed (LRU STATUS LED illuminates green), it is not necessary to remove and replace the DME.
- (2) 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.
- (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. Left DME Interrogator Output Bus Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49801.

B. 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.

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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 —————

804. Right DME Interrogator Output Bus Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49802.

B. 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.

- (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. DME Interrogator-L No Output on DISTANCE DATA-1 429 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

- (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 IOM (M009) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 DME interrogator, M34109. To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
 - (b) Remove the IOM (M009) module from the left AIMS cabinet, M31101. 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 J420-A at the left AIMS cabinet on the E3-1 shelf and connector DM34109AB at the E1-2 shelf (WDM 34-55-11).

J420-A	DM34109AB
pin A12	pin G1
pin B12	pin H1

- (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 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.

————— **END OF TASK** —————

806. DME Interrogator-R No Output on DISTANCE DATA-1 429 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

- (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 IOM (M004) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 DME interrogator, M34209. To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
 - (b) Remove the IOM (M004) module from the left AIMS cabinet, M31101. 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 J250-B at the left AIMS cabinet on the E3-1 shelf and connector DM34209AB at the E2-3 shelf (WDM 34-55-21).

J250-B	DM34209AB
pin A8	pin G1
pin B8	pin H1

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the IOM (M004) module. 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.

———— END OF TASK ————

807. DME Interrogator-L No Output on DISTANCE DATA-2 429 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

- (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 IOM (M009) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 DME interrogator, M34109. To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
 - (b) Remove the IOM (M009) module from the left AIMS cabinet, M31101. 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 J420-A at the left AIMS cabinet on the E3-1 shelf and connector DM34109AB at the E1-2 shelf (WDM 34-55-11).

J420-A	DM34109AB
pin A10	pin G3
pin B10	pin H3

- (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 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.

———— END OF TASK ————

808. DME Interrogator-R No Output on DISTANCE DATA-2 429 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

- (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 IOM (M004) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 DME interrogator, M34209. To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
 - (b) Remove the IOM (M004) module from the right AIMS cabinet, M31201. 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 J250-A at the right AIMS cabinet on the E2-1 shelf and connector DM34209AB at the E2-3 shelf (WDM 34-55-21).

J250-A	DM34209AB
pin A12	pin G3
pin B12	pin H3

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the IOM (M004) module. 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.

————— **END OF TASK** —————

809. DME Interrogator-L No Input from AIMS-L on CMCS-L 429 BUS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49900.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 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 IOM (M009) module 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) If the MAT shows NOT ACTIVE for the maintenance 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:
- Remove the left DME Interrogator, M34109. To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
 - Remove the IOM (M009) module from the left AIMS cabinet, M31101. 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 DM34109AB at the left DME Interrogator (WDM 34-55-11).

J420-A	DM34109AB
pin F11	pin E6
pin G12	pin F6

- (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 left DME Interrogator, M34109. To install it, do this task: DME Interrogator Installation, AMM TASK 34-55-01-400-801.
 - If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

810. DME Interrogator-R No Input from AIMS-L from CMCS-R 429 BUS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49901.

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 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.
 - 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 (M004) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 DME Interrogator, M34209. To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
 - (b) Remove the IOM (M004) module from the left AIMS cabinet, M31101. 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 J250-A at the left AIMS cabinet on the E3-1 shelf and connector DM34209AB at the right DME Interrogator (WDM 34-55-21).

J250-A

pin F11
pin G12

DM34209AB

pin E6
pin F6

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the IOM (M004) module. 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.

————— **END OF TASK** —————

811. DME Interrogator-L No Input from AIMS-R on NAVAI D TUNE-L 429 BUS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49021.

B. Initial Evaluation

NOTE: No maintenance action is necessary unless a problem with DME tuning is reported (this is a nuisance message).

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, 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) If the MAT shows NOT ACTIVE for the maintenance message (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 DME interrogator, M34109. To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
 - (b) Remove the IOM (M009) module from 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 J420-A at the right AIMS cabinet on the E3-1 shelf and connector DM34109AB at the left DME interrogator (WDM 34-55-11).

J420-A

pin F11 pin D3
pin G12 pin E3

DM34109AB

- (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 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.

————— END OF TASK —————

812. DME Interrogator-R No Input from AIMS-R on NAVAID TUNE-R 429 BUS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49023.

B. Initial Evaluation

NOTE: No maintenance action is necessary unless a problem with DME tuning is reported (this is a nuisance message).

- (1) If the MAT shows ACTIVE for the maintenance message, 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 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 IOM (M004) module 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) If the MAT shows NOT ACTIVE for the maintenance message (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 DME interrogator, M34209. To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.

- (b) Remove the IOM (M004) module from 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 J250-A at the right AIMS cabinet on the E3-1 shelf and connector DM34209AB at the right DME interrogator (WDM 34-55-21).

J250-A

pin F11 pin D3
pin G12 pin E3

DM34209AB

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

- 1) Repair the wiring.

- 2) Re-install the IOM (M004) module. 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.

————— **END OF TASK** —————

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813. DME Interrogator-L No Input from CDU-L on NAVAID TUNE-L 429 BUS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49031.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 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 left Control Display Unit (CDU), N34103.
- 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 DME interrogator, M34109. To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
 - (b) Remove the left CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (c) Do a wiring check between these pins of connector DN34103C at the left CDU, N34103 on the P9 aisle stand panel and connector DM34109AB at the left DME interrogator (WDM 34-55-11).

DN34103C

pin 9

pin 10

DM34109AB

pin A3

pin B3

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left CDU, N34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.

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- 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.

————— **END OF TASK** —————

814. DME Interrogator-R No Input from CDU-R on NAVAID TUNE-R 429 BUS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-49033.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 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 right Control Display Unit (CDU), N34203.
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.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (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 DME interrogator, M34209. To remove it, do this task: DME Interrogator Removal, AMM TASK 34-55-01-000-801.
 - (b) Remove the right CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (c) Do a wiring check between these pins of connector DN34203C at the right CDU, N34203 on the P9 aisle stand panel and connector DM34209AB at the right DME interrogator (WDM 34-55-21).

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DN34203C

pin 9 pin A3
pin 10 pin B3

DM34209AB

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the right CDU, N34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.

————— END OF TASK —————

815. VOR DME-L (DME-R) Display Blank on ND - Fault Isolation

A. Initial Evaluation

- (1) Look at the Extended Maintenance, Existing Faults display on the MAT.
 - (a) If a maintenance message related to the DME Interrogator shows in the 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.
- (2) If a maintenance message related to the DME Interrogator does not show in Existing Faults, then there was an intermittent fault.

————— END OF TASK —————

816. VOR DME-L (DME-R) Display Inaccurate on ND - Fault Isolation

A. Initial Evaluation

- (1) Look at the Extended Maintenance, Existing Faults display on the MAT.
 - (a) If a maintenance message related to the DME Interrogator shows in the 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.
- (2) If a maintenance message related to the DME Interrogator does not show in Existing Faults, then there was an intermittent fault.

————— END OF TASK —————

817. ILS DME-L (DME-R) Display Blank on ND - Fault Isolation

A. Initial Evaluation

- (1) Look at the Extended Maintenance, Existing Faults display on the MAT.
 - (a) If a maintenance message related to the DME Interrogator shows in the 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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- (2) If a maintenance message related to the DME Interrogator does not show in Existing Faults, then there was an intermittent fault.

———— **END OF TASK** ————

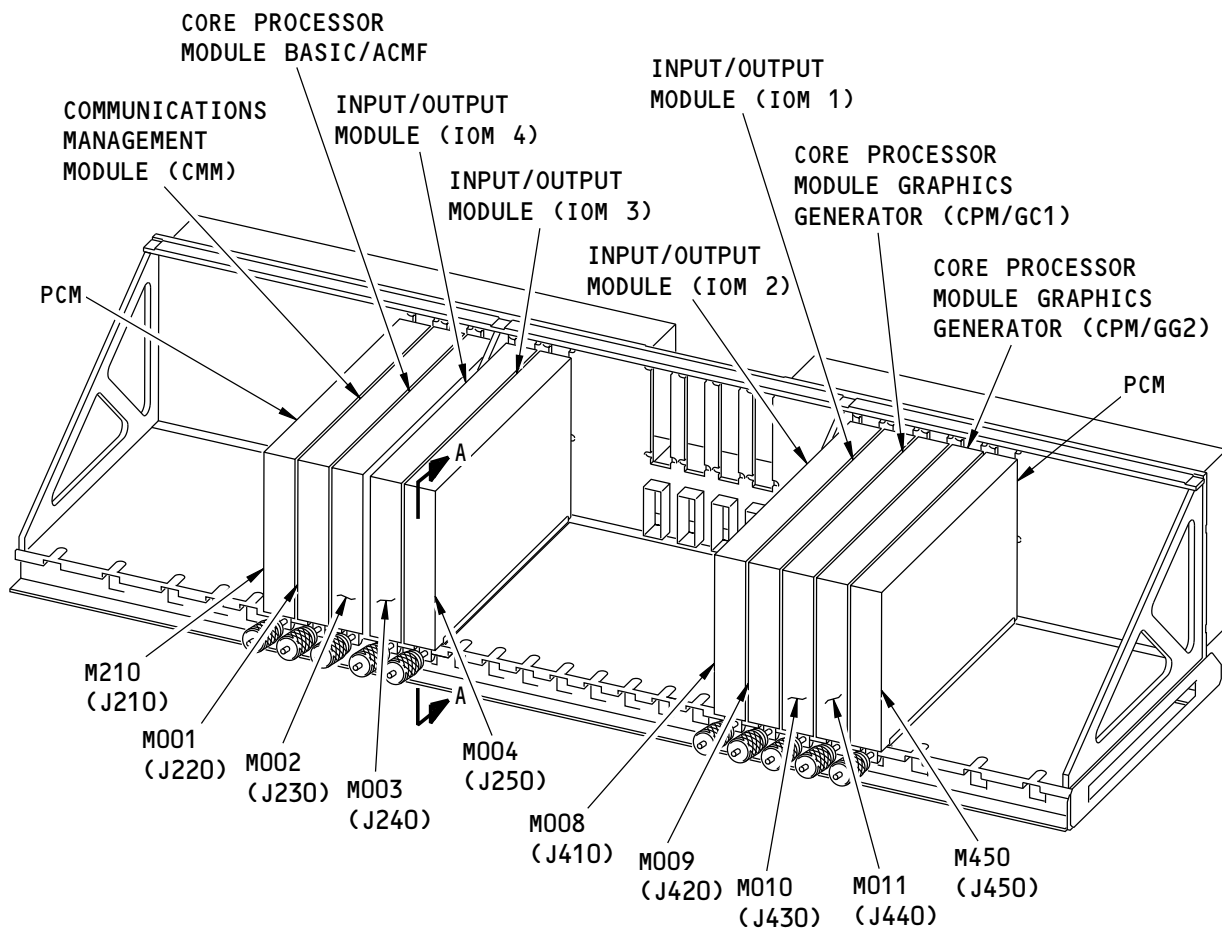
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ELECTRONIC EQUIPMENT RACK

2178748 S0000480931_V1

Airplane Information Management System (AIMS) Overview
Figure 301/34-55-00-990-801 (Sheet 1 of 2)

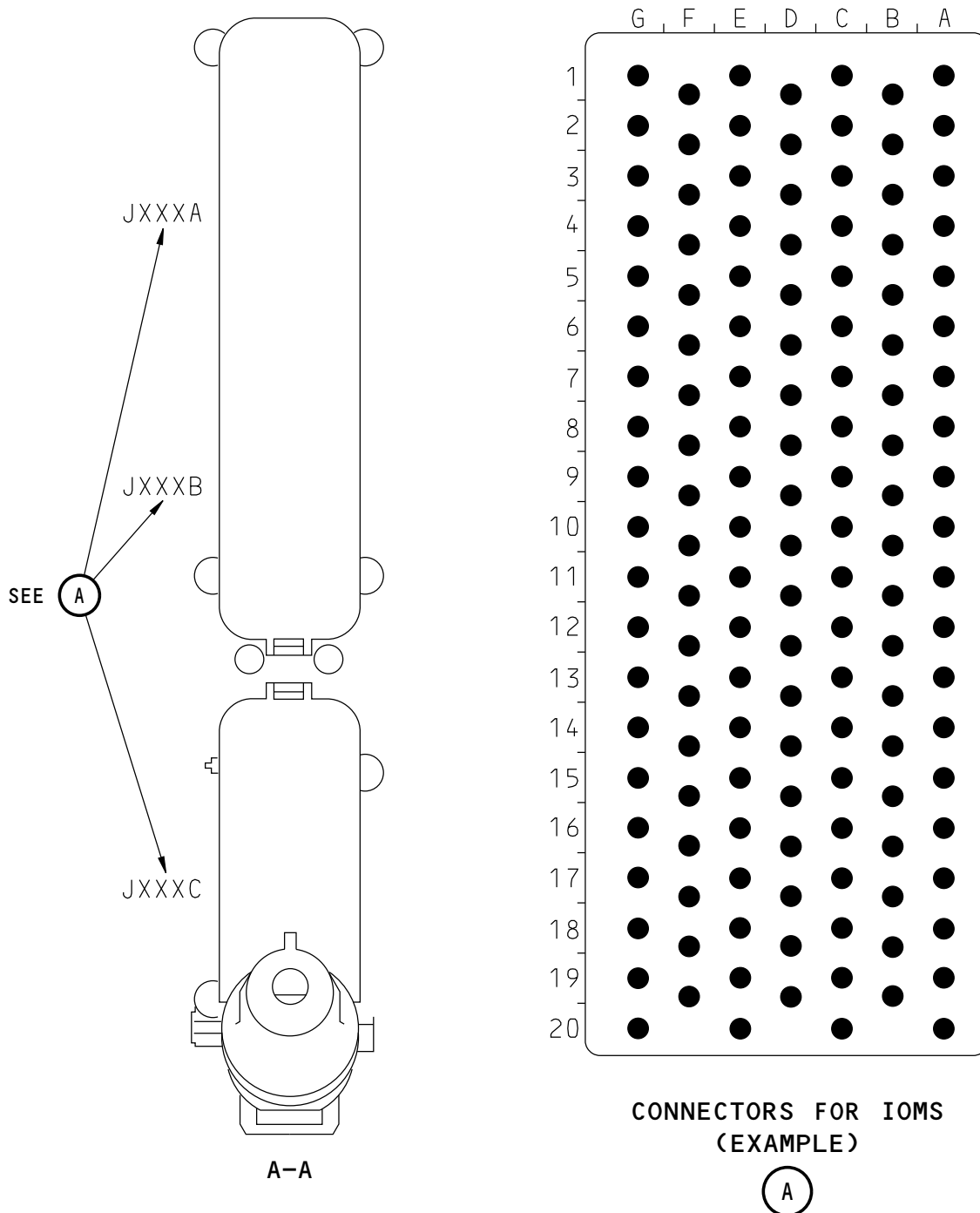
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NOTE: XXX = CONNECTOR NUMBER

2179065 S0000481152_V1

Airplane Information Management System (AIMS) Overview
Figure 301/34-55-00-990-801 (Sheet 2 of 2)

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801. ADF Receiver (Left) Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 34-51011, 34-51801.

B. Fault Isolation Procedure

- (1) Replace the left automatic direction finder 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 automatic direction finder (ADF) antenna, M34122.

These are the tasks:

ADF Antenna Removal, AMM TASK 34-57-02-000-801,

ADF Antenna Installation, AMM TASK 34-57-02-400-801.

- (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** —————

802. ADF Antenna (Left) Circuit Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-51021.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 automatic direction finder (ADF) antenna, M34122.

These are the tasks:

ADF Antenna Removal, AMM TASK 34-57-02-000-801,

ADF Antenna Installation, AMM TASK 34-57-02-400-801.

- (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 the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
 - (a) Remove the left ADF antenna, M34122. To remove it, do this task: ADF Antenna Removal, AMM TASK 34-57-02-000-801.
 - (b) Remove the left ADF receiver, M34108. To remove it, do this task: ADF Receiver Removal, AMM TASK 34-57-01-000-801.
 - (c) Do a wiring check between these pins of connector DM34122 at the left ADF antenna (M34122) and connector DM34108AB at the E1-2 shelf (WDM 34-57-11):

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DM34122

pin 1		pin D1
pin 2		pin D2
pin 4		pin D7
pin 5		pin D8
pin 7		pin D14
pin 8		pin D15
pin 10	.....	pin C10
pin 11	.....	pin C11
pin 12	.....	pin C12

DM34108AB

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the left ADF receiver, M34108. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
 - 3) Re-install the left ADF antenna, M34122. To install it, do this task: ADF Antenna Installation, AMM TASK 34-57-02-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

803. ADF Antenna (Right) Circuit Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-51023.

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 NOT ACTIVE for the maintenance message, then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Replace the right automatic direction finder (ADF) antenna, M34222.

These are the tasks:

ADF Antenna Removal, AMM TASK 34-57-02-000-801,

ADF Antenna Installation, AMM TASK 34-57-02-400-801.

- (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 the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the right ADF antenna, M34222. To remove it, do this task: ADF Antenna Removal, AMM TASK 34-57-02-000-801.
 - (b) Remove the right ADF receiver, M34208. To remove it, do this task: ADF Receiver Removal, AMM TASK 34-57-01-000-801.

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- (c) Do a wiring check between these pins of connector DM34222 at the ADF antenna right (M34222) and connector DM34208AB at the E2-3 shelf (WDM 34-57-21):

DM34222	DM34208AB
pin 1	pin D1
pin 2	pin D2
pin 4	pin D7
pin 5	pin D8
pin 7	pin D14
pin 8	pin D15
pin 10	pin C10
pin 11	pin C11
pin 12	pin C12

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the right ADF receiver, M34208. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
 - 3) Re-install the right ADF antenna, M34222. To install it, do this task: ADF Antenna Installation, AMM TASK 34-57-02-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

804. ADF Receiver (Left) No Input From AIMS-L On CMCS-L 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-59904.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 automatic direction finder (ADF) receiver, M34108.

These are the tasks:

ADF Antenna Removal, AMM TASK 34-57-02-000-801,

ADF Antenna Installation, AMM TASK 34-57-02-400-801.

- (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 the MAT shows ACTIVE for the maintenance message, 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 MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
 - (a) Remove the left ADF receiver, M34108. To remove it, do this task: ADF Antenna Removal, AMM TASK 34-57-02-000-801.
 - (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 DM34108AB at the E1-2 shelf and the IOM connector J420-A at the left AIMS cabinet (WDM 34-57-11):

DM34108AB	J420-A
pin A14	pin F11
pin A15	pin G12
- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left ADF receiver, M34108. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
 - 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.

————— **END OF TASK** —————

805. ADF Receiver (Right) No Input From AIMS-L On CMCS-R 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-59905.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 automatic direction finder (ADF) receiver, M34208.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the 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 the MAT shows ACTIVE for the maintenance message, then continue.
- (3) 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) 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 DM34208AB at the E2-3 shelf and the IOM connector J250-A at the left AIMS cabinet (WDM 34-57-21):

DM34208AB	J250-A
pin A14	pin F11
pin A15	pin G12

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right ADF receiver, M34208. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
 - 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.

————— **END OF TASK** —————

806. ADF Receiver (Right) Internal Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 34-51013, 34-51802.

B. Fault Isolation Procedure

- (1) Replace the right automatic direction finder 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.

- (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 automatic direction finder (ADF) antenna, M34222.
These are the tasks:
ADF Antenna Removal, AMM TASK 34-57-02-000-801,
ADF Antenna Installation, AMM TASK 34-57-02-400-801.
- (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. ADF Receiver (Left) No Input From AIMS-R on FMC NAVAID TUNE-L 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-51031.

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 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 automatic direction finder (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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the the MAT shows ACTIVE for the maintenance message, then continue.
- (2) 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) 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 DM34108AB at the E1-2 shelf and the IOM connector J420-A at the right AIMS cabinet (WDM 34-57-11):

DM34108AB	J420-A
pin B7	pin F11
pin B8	pin G12

- (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 left ADF receiver, M34108. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
- 3) Re-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.
- 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. ADF Receiver (Right) No Input From AIMS-R on FMC NAVAID TUNE-R 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-51033.

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 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 automatic direction finder (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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the the MAT shows ACTIVE for the maintenance message, then continue.
- (2) 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) 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 DM34208AB at the E2-3 shelf and the IOM connector J250-A at the right AIMS cabinet (WDM 34-57-21):

DM34208AB	J250-A
pin B7	pin F11
pin B8	pin G12

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) 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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- 3) Re-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.
- 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** —————

809. ADF Receiver (Left) No Input From CDU-L on CDU NAVAID TUNE-L 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-51041.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 automatic direction finder (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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left control display unit (CDU-L), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the the MAT shows ACTIVE for the maintenance message, then continue.
- (3) 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) Remove the CDU-L, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (c) Do a wiring check between these pins of connector DM34108AB at the E1-2 shelf and connector DN34103C at the P9 panel (WDM 34-57-11):

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DM34108AB

pin B4
pin B5

DN34103C

pin 9
pin 10

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the left ADF receiver, M34108. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
 - 3) Re-install the CDU-L, N34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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 —————

810. ADF Receiver (Right) No Input From CDU-R on CDU NAVAID TUNE-R 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-51043.

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 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 automatic direction finder (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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the right control display unit (CDU-R), N34203.
- 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the 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 ADF receiver, M34208. To remove it, do this task: ADF Receiver Removal, AMM TASK 34-57-01-000-801.
- (b) Remove the CDU-R, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
- (c) Do a wiring check between these pins of connector DM34208AB at the E2-3 shelf and connector DN34203C at the P9 panel (WDM 34-57-21):

DM34208AB	DN34203C
pin B4	pin 9
pin B5	pin 10

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right ADF receiver, M34208. To install it, do this task: ADF Receiver Installation, AMM TASK 34-57-01-400-801.
 - 3) Re-install the CDU-R, N34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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** —————

811. ADF Receiver (Left) Signals Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-57791.

B. Fault Isolation Procedure

- (1) Replace the left automatic direction finder 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.

- (a) 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. ADF Receiver (Right) Signals Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-57792.

B. Fault Isolation Procedure

- (1) Replace the right automatic direction finder 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.

- (a) 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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813. ADF Indication Problems - Fault Isolation

A. Fault Isolation Procedure

- (1) Look at the Extended Maintenance, Present Leg Faults display on the MAT.
 - (a) If a maintenance message related to the ADF system shows in Present Leg 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** ————

814. ADF Audio Problems - Fault Isolation

A. Fault Isolation Procedure

- (1) Look at the Extended Maintenance, Present Leg Faults display on the MAT.
 - (a) If a maintenance message related to the ADF system shows in Present Leg 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** ————

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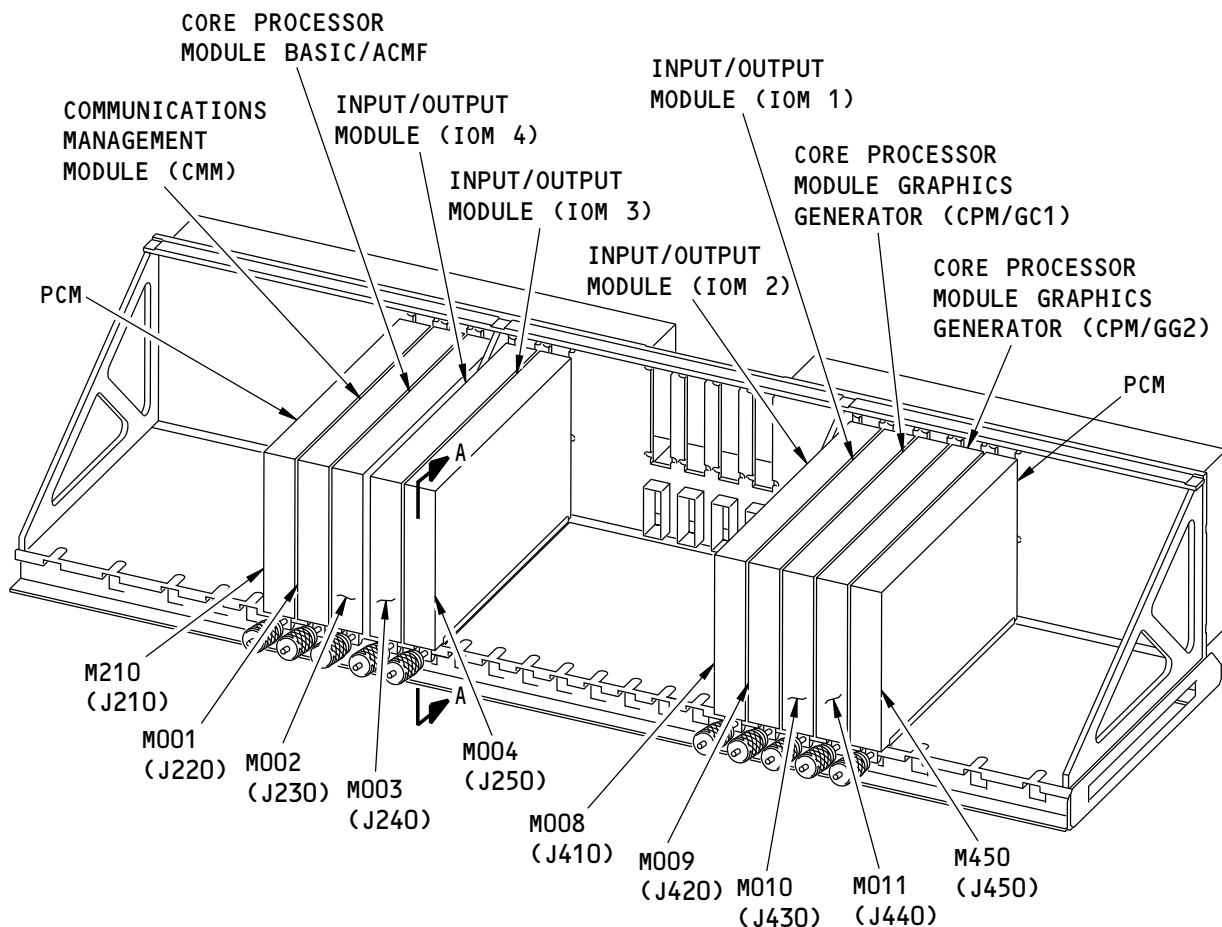
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ELECTRONIC EQUIPMENT RACK

2178748 S0000480931_V1

Airplane Information Management System (AIMS) Overview
Figure 301/34-57-00-990-801 (Sheet 1 of 2)

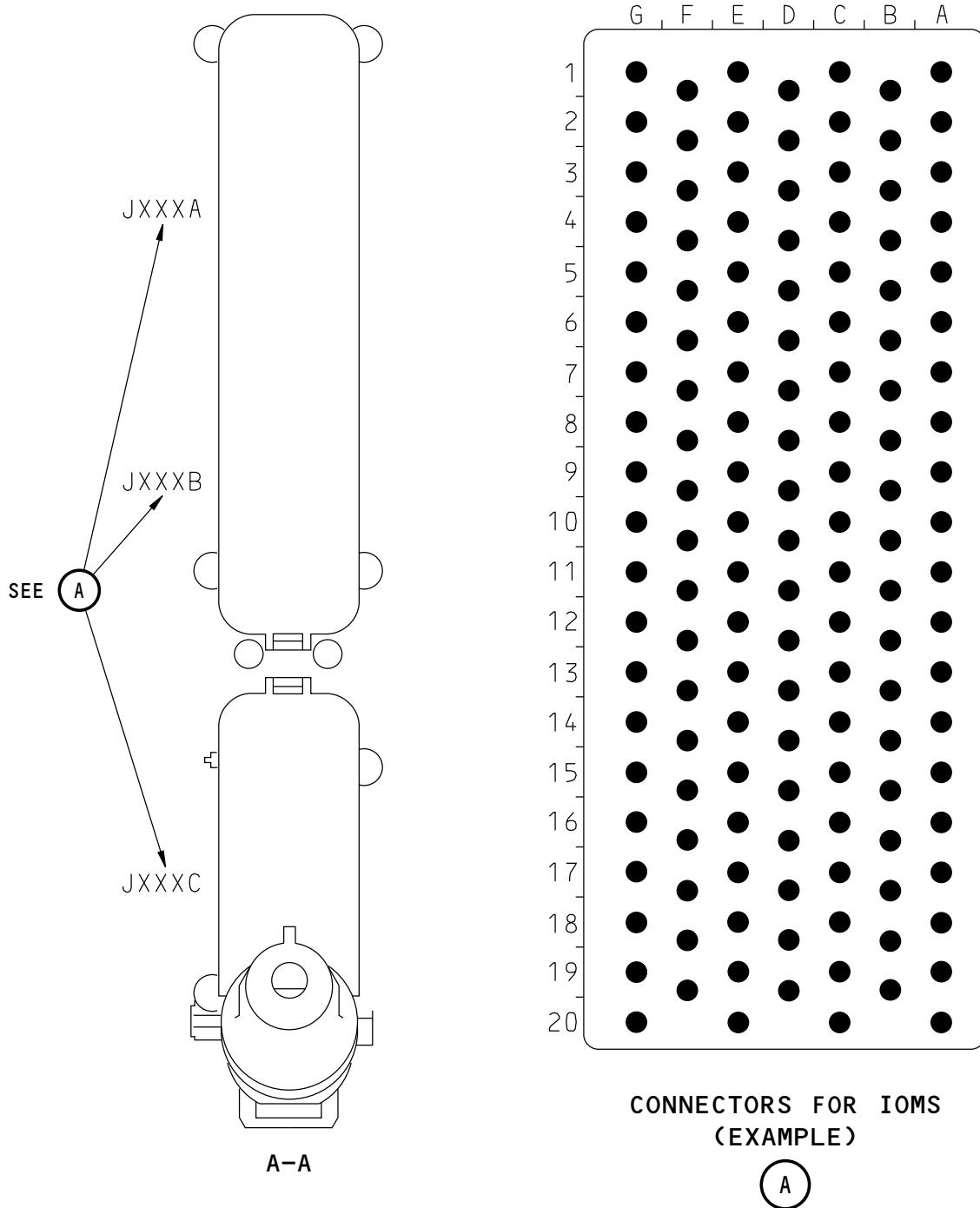
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NOTE: XXX = CONNECTOR NUMBER

2179065 S0000481152_V1

Airplane Information Management System (AIMS) Overview
Figure 301/34-57-00-990-801 (Sheet 2 of 2)

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823. Left GPS Antenna Activity Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-53201.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 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 still shows ACTIVE for the maintenance message, then continue.
- (2) Do these steps to replace the coaxial cable:
 - (a) Remove the left MMR. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (b) Remove the center ceiling panel at station 623 to get access to the left (forward) GPS antenna.
 - 1) To remove it, do this task: Main Ceiling Panel - Removal, AMM TASK 25-21-06-000-801.
 - (c) Replace the coaxial cable between the left MMR and the forward GPS antenna (WDM 34-58-11).
 - (d) Re-install the left MMR. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
 - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - a) Re-install the ceiling panels.
<1> To install them, do this task: Main Ceiling Panel - Installation, AMM TASK 25-21-06-400-801.
 - 2) If the MAT still shows ACTIVE for the maintenance message, then continue.
- (3) Replace the left GPS antenna, M34411.
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.

————— **END OF TASK** —————

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824. Right GPS Antenna Activity Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-53202.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 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 still shows ACTIVE for the maintenance message, then continue.
- (2) Do these steps to replace the coaxial cable:
 - (a) Remove the right MMR. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (b) Remove the center ceiling panel at station 665 to get access to the right (aft) GPS antenna.
 - 1) To remove it, do this task: Main Ceiling Panel - Removal, AMM TASK 25-21-06-000-801.
 - (c) Replace the coaxial cable between the right MMR and the aft GPS antenna (WDM 34-58-21).
 - (d) Re-install the right MMR. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
 - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - a) Re-install the ceiling panels.
<1> To install them, do this task: Main Ceiling Panel - Installation, AMM TASK 25-21-06-400-801.
 - 2) If the MAT still shows ACTIVE for the maintenance message, then continue.
- (3) Replace the right GPS antenna, M34421.
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.

———— **END OF TASK** ————

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825. Left GPS Antenna Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-53301.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 to replace the coaxial cable:
 - (a) Remove the left MMR. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (b) Remove the center ceiling panel at station 623 to get access to the left (forward) GPS antenna.
 - 1) To remove it, do this task: Main Ceiling Panel - Removal, AMM TASK 25-21-06-000-801.
 - (c) Replace the coaxial cable between the left MMR and the forward GPS antenna (WDM 34-58-11).
 - (d) Re-install the MMR. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
 - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - a) Re-install the ceiling panels.
<1> To install them, do this task: Main Ceiling Panel - Installation, AMM TASK 25-21-06-400-801.
 - 2) If the MAT still shows ACTIVE for the maintenance message, then continue.
- (2) 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 still shows ACTIVE for the maintenance message, then continue.
- (3) Replace the left GPS antenna, M34411.

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.

————— **END OF TASK** —————

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826. Right GPS Antenna Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-53302.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 to replace the coaxial cable:
 - (a) Remove the right MMR. To remove it, do this task: Receiver for ILS - Removal, AMM TASK 34-31-01-000-801.
 - (b) Remove the center ceiling panel at station 665 to get access to the right (aft) GPS antenna.
 - 1) To remove it, do this task: Main Ceiling Panel - Removal, AMM TASK 25-21-06-000-801.
 - (c) Replace the coaxial cable between the right MMR and the aft GPS antenna (WDM 34-58-21).
 - (d) Re-install the right MMR. To install it, do this task: Receiver for ILS - Installation, AMM TASK 34-31-01-400-801.
 - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - a) Re-install the ceiling panels.
 - <1> To install them, do this task: Main Ceiling Panel - Installation, AMM TASK 25-21-06-400-801.
 - 2) If the MAT still shows ACTIVE for the maintenance message, then continue.
- (2) 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 still shows ACTIVE for the maintenance message, then continue.
- (3) Replace the right GPS antenna, M34421.

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.

———— **END OF TASK** ————

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827. GPS L (GPS R) EICAS Status Message Shows With No Correlated Maintenance Message - Fault Isolation

A. Initial Evaluation

- (1) If the EICAS status message GPS L (GPS R) shows and there is no correlated maintenance message on the MAT, then do the Fault Isolation procedure below.

B. Fault Isolation

- (1) Disconnect the GPS antenna connector D3763 (D3767) and inspect the connector for water.
NOTE: The GPS location may be flashing on the CDU Init Ref page.

- (a) If there is moisture in the connector, remove the moisture.

- 1) Reconnect the GPS antenna connector D3763 (D3767).

- 2) If the message, GPS L (GPS R) is still present, then continue.

- (b) If there is no moisture in the connector, then continue.

- (2) Replace the left (right) GPS antenna M34411 (M34421).

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 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

828. EICAS ADVISORY Message GPS L (GPS R) - Fault Isolation

A. Description

- (1) The EICAS ADVISORY Message GPS L (GPS R) is for the Flight Crew to inform them that there is a Left (Right) GPS failure.

NOTE: This message will also show if the Maintenance Crew intentionally opens the MMR L (MMR R) circuit breaker C34426 (C34425).

- (2) If the GPS fails, then the pilot cannot conduct an RNP AR Approach.

- (3) When the EICAS ADVISORY Message GPS L (GPS R) shows, the STATUS Message GPS L (GPS R) will also show.

B. Initial Evaluation

- (1) Make sure that the applicable circuit breaker below is closed:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	9	C34426	MMR L
E	22	C34425	MMR R

- (a) If the applicable Circuit Breaker is open, close it and see if the EICAS Message goes away.

- 1) If the message goes away, then no other action is necessary.

- 2) If the message stays with the circuit breaker closed, then do the Fault Isolation Procedure below.

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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)

C. Fault Isolation Procedure

- (1) Refer to GPS L (GPS R) EICAS Status Message Shows With No Correlated Maintenance Message - Fault Isolation, 34-58 TASK 827 for the applicable Maintenance Corrective Action.

———— **END OF TASK** ————

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801. Left CDU No Output on CDU NAV Tuning 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-68891.

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 left control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Do a wiring check between these pins of connector DN34103C at the P9 Panel and terminal block TB1202 at the E1-2 shelf (WDM 34-61-11):

DN34103C

pin 9 term UA29
pin 10 term UB29

TB1202

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left CDU, N34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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. Left CDU Has No Input From ADIRU on Flight Controls 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69104.

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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 control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) 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.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 Coupler, B31109, 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 left CDU to the left Flight Controls 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, B34105, 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 Air Data Inertial Reference Unit (ADIRU) to the left Flight Controls 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(L) Coupler, B34106, in the P112 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 Air Data Inertial Reference Unit (ADIRU) to the left Flight Controls 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** —————

803. Left CDU Has No Input From Left ASG Card (LSCF) on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69404.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 (LSCF), P085A12.

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, B31113, 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 left ASG card (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 wiring from the left CDU to the coupler:
 - (a) Remove the left CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31113 from the coupler, B31113.
 - (c) Do a wiring check between these pins of connector DN34103B at the P9 panel and connector DB31113 at the P111 panel (WDM 31-41-28):

DN34103B	DB31113
pin 2	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31113.
 - 3) Re-install the left CDU, M34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the left ASG card (LSCF) to the coupler:
 - (a) Remove the left ASG card (LSCF), P085A12. 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 DP08504 at the P85 panel and connector DB31101 at the P111 panel (WDM 23-91-11):

DP08504	DB31101
pin 2	pin 2
pin 1	pin 1
pin 5	pin 5
pin 4	pin 4

- (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 DB31101.
 - 3) Re-install the left ASG card (LSCF), P085A12. To install it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.

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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** —————

804. Left CDU Has No Input From BPCU on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69410.

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) Replace the left control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31113, 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 CDU 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.

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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 from the left CDU to the coupler:
 - (a) Remove the left CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31113 from the coupler, B31113.
 - (c) Do a wiring check between these pins of connector DN34103B at the P9 panel and connector DB31113 at the P111 panel (WDM 31-41-28):

DN34103B	DB31113
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31113.
 - 3) Re-install the left CDU, M34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the BPCU to the coupler:
 - (a) Remove the BPCU, M24002. To remove it, do this task: BPCU Removal, AMM TASK 24-41-05-000-801.
 - (b) Disconnect connector DB24106 from the coupler, B24106.
 - (c) Do a wiring check between these pins of connector DM24002B at the E1-1 shelf and connector DB24106 at the P111 panel (WDM 23-91-11):

DM24002B	DB24106
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 20-13-00).
 - 2) Re-connect connector DB24106.
 - 3) Re-install the 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.

————— **END OF TASK** —————

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805. Left CDU Has No Input From Center CDU on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69413.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 CDU, 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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, B31113, 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 CDU 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, B31114, 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 center CDU 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 left CDU to the coupler:

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- (a) Remove the left CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
- (b) Disconnect connector DB31113 from the coupler, B31113.
- (c) Do a wiring check between these pins of connector DN34103B at the P9 panel and connector DB31113 at the P111 panel (WDM 31-41-28):

DN34103B	DB31113
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31113.
 - 3) Re-install the left CDU, M34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the center CDU to the coupler:
 - (a) Remove the center CDU, N34303. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31114 from the coupler, B31114.
 - (c) Do a wiring check between these pins of connector DN34303B at the P8 panel and connector DB31114 at the P111 panel (WDM 31-41-28):

DN34303B	DB31114
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31114.
 - 3) Re-install the center CDU, M34303. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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. Left CDU Has No Input From Right CDU on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69419.

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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 control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 CDU, 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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, B31113, 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 CDU 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, B31115, 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 CDU 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 left CDU to the coupler:
 - (a) Remove the left CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31113 from the coupler, B31113.



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- (c) Do a wiring check between these pins of connector DN34103B at the P9 panel and connector DB31113 at the P111 panel (WDM 31-41-28):

DN34103B	DB31113
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31113.
 - 3) Re-install the left CDU, M34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the right CDU to the coupler:
- (a) Remove the right CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31115 from the coupler, B31115.
 - (c) Do a wiring check between these pins of connector DN34203B at the P9 panel and connector DB31115 at the P111 panel (WDM 31-41-28):

DN34203B	DB31115
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31115.
 - 3) Re-install the right CDU, M34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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. Left CDU Has No Input From Left AIMS on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69434.

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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 control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31113, 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 CDU 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 left CDU to the coupler:

- (a) Remove the left CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.

- (b) Disconnect connector DB31113 from the coupler, B31113.

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- (c) Do a wiring check between these pins of connector DN34103B at the P9 panel and connector DB31113 at the P111 panel (WDM 31-41-28):

DN34103B	DB31113
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31113.
 - 3) Re-install the left CDU, M34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the left AIMS 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 D06607 at the E3-1 shelf and connector DB31112 at the P111 panel (WDM 31-41-25):

D06607	DB31112
pin 3	pin 2
pin 4	pin 1
pin 1	pin 5
pin 2	pin 4

- (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) 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.

———— **END OF TASK** ————

808. Left CDU Has No Input From Right AIMS on System 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69437.

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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 control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31113, 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 CDU 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 left CDU to the coupler:
 - (a) Remove the left CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31113 from the coupler, B31113.



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- (c) Do a wiring check between these pins of connector DN34103B at the P9 panel and connector DB31113 at the P111 panel (WDM 31-41-28):

DN34103B	DB31113
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31113.
 - 3) Re-install the left CDU, M34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the right AIMS cabinet to the coupler:
- (a) Remove the IOM (M009) module from the right AIMS cabinet. To remove it, These are the tasks:
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) Disconnect connector DB31116 from the coupler, B31116.
- (c) Do a wiring check between these pins of connector D06707 at the E2-1 and connector DB31116 at the P111 panel (WDM 31-41-25):

D06707	DB31116
pin 3	pin 2
pin 4	pin 1
pin 1	pin 5
pin 2	pin 4

- (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) 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.

———— **END OF TASK** ————

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809. Left CDU Has No Input From Left OPBC on System 629 Bus-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 left control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31113, 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 CDU 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,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

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 left CDU to the coupler:
 - (a) Remove the left CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31113 from the coupler, B31113.

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- (c) Do a wiring check between these pins of connector DN34103B at the P9 panel and connector DB31113 at the P111 panel (WDM 31-41-28):

DN34103B	DB31113
pin 2	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31113.
 - 3) Re-install the left CDU, M34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the left OPBC to the coupler:
- (a) Remove the left OPBC, 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 the P5 panel and connector DB23126 at the P111 panel (WDM 23-93-11):

DM23112B	DB23126
pin 2	pin 2
pin 1	pin 1
pin 5	pin 5
pin 4	pin 4

- (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 DB23126.
 - 3) Re-install the left OPBC, 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.

— END OF TASK —

810. Left CDU Has No Input From Right OPBC on System 629 Bus-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) Replace the left control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31113, 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 CDU 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 right 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 left CDU to the coupler:

- (a) Remove the left CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
- (b) Disconnect connector DB31113 from the coupler, B31113.
- (c) Do a wiring check between these pins of connector DN34103B at the P9 panel and connector DB31113 at the P111 panel (WDM 31-41-28):



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DN34103B

pin 2		pin 2
pin 23		pin 1
pin 24		pin 5
pin 25		pin 4

DB31113

- (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 DB31113.
 - 3) Re-install the left CDU, M34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the right OPBC to the coupler:
- (a) Remove the right OPBC, 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 DM23212AB at the P5 panel and connector DB23127 at the P111 panel (WDM 23-93-21):

DM23212AB

pin 2	.....	pin 2
pin 1	.....	pin 1
pin 5	.....	pin 5
pin 4	.....	pin 4

DB23127

- (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 DB23127.
 - 3) Re-install the right OPBC, 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** —————

811. Left CDU Has No Input From Left AFDC on System 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69458.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, 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 control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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), 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, B31113, 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 CDU 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 left AFDC 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 left CDU to the coupler:

- (a) Remove the left CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.

- (b) Disconnect connector DB31113 from the coupler, B31113.

- (c) Do a wiring check between these pins of connector DN34103B at the P9 panel and connector DB31113 at the P111 panel (WDM 31-41-28):

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DN34103B

pin 22		pin 2
pin 23		pin 1
pin 24		pin 5
pin 25		pin 4

DB31113

- (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 DB31113.
 - 3) Re-install the left CDU, M34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the left AFDC to the coupler:
- (a) Remove the left AFDC, M22101. To remove it, do this task: Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801.
 - (b) Disconnect connector DB22104 from the coupler, B22104.
 - (c) Do a wiring check between these pins of connector DM22101AD at the E1-3 shelf and connector DB22104 at the P111 panel (WDM 22-11-18):

DM22101AD

pin 5T	.....	pin 2
pin 5TR	.....	pin 1
pin 2T	.....	pin 5
pin 2TR	.....	pin 4

DB22104

- (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 DB22104.
 - 3) Re-install the left AFDC, 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** —————

812. FMCF (FMCF/Nav) in AIMS Has An Internal Fault (CPM/Comm) - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51211, 31-51212, 31-51221, 31-51222.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, 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/Comm (M001) in the applicable left or right AIMS cabinet, X01021 or X01020.

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 —————

813. FMCF (FMCF/Nav) in AIMS Has An Internal Software Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51213, 31-51214, 31-51223, 31-51224.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) For the left AIMS cabinet, do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/Standard (M002) in Left AIMS Module Reset.
- (2) For the right AIMS cabinet, do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/Standard (M002) 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 —————

814. (FMCF, FMCF/Nav) in AIMS-R Has An Internal Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 31-51422.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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.

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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. (FMC/F, FMC/F/Nav) in AIMS-L Has An Internal Software Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51413, 31-51423, 34-71031, 34-72011.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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, CPM/STD (M002) in Left AIMS Module Reset.
- (2) If the maintenance message does not show on the ground test display, then there was an intermittent fault.
- (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) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/STD (M002) in Left AIMS Module Reset.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

816. FMC/F in AIMS Has An Internal Fault (CPM/GG) - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51811, 31-51812, 31-51821, 31-51822.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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(M011) in the applicable left or 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 —————

817. (FMC/F, FMC/F/Nav) in AIMS Has An Internal Software Fault (CPM/GG) - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51813, 31-51814, 31-51823, 31-51824.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) For the left AIMS cabinet, do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG(M011) in Left AIMS Module Reset.
- (2) For the right AIMS cabinet, 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 —————

818. Control Display Unit Has An Internal Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 34-61001, 34-61002, 34-61003.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 left, right, or center control display unit, N34103, N34203, or 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.
- (a) 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. CDU Has No Output on Any Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 34-68801, 34-68802, 34-68803.

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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 left, right, or center control display unit, N34103, N34203, or 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.
 - (a) 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. Left CDU Has No Output on System ARINC 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-68861.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34103.
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.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31210, 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 CDU 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:
 - (a) Remove the left CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.

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- (b) Do a wiring check between these pins of connector DN34103B at the P9 Panel and connector DB31210 at the P211 panel (WDM 31-41-28):

DN34103B	DB31210
pin 30	pin 2
pin 31	pin 1
pin 20	pin 5
pin 21	pin 4

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the left CDU, N34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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 —

821. Right CDU Has No Output on System ARINC 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-68862.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34203.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31213, 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 CDU 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:
- (a) Remove the right CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.

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- (b) Do a wiring check between these pins of connector DN34203B at the P9 Panel and connector DB31213 at the P211 panel (WDM 31-41-28):

DN34203B	DB31213
pin 30	pin 2
pin 31	pin 1
pin 20	pin 5
pin 21	pin 4

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the right CDU, N34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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 ————

822. Center CDU Has No Output on System ARINC 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-68863.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31212, 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 center CDU 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:
- (a) Remove the center CDU, N34303. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.

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- (b) Do a wiring check between these pins of connector DN34303B at the P8 Panel and connector DB31212 at the P211 panel (WDM 31-41-28):

DN34303B	DB31212
pin 30	pin 2
pin 31	pin 1
pin 20	pin 5
pin 21	pin 4

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the center CDU, N34303. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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 —————

823. Right CDU No Output on CDU NAV Tuning Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-68892.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 control display unit (CDU), N34203.
- 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
- (b) Do a wiring check between these pins of connector DN34203C at the P9 Panel and terminal block TB2301 at the E2-3 shelf (WDM 34-61-11):

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DN34203C

pin 9 term UA29
pin 10 term UB29

TB2301

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the right CDU, N34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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 —

824. Center CDU Has No Input From ADIRU on Flight Controls 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69106.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), 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.

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

- (2) 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.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

- (3) Replace the ARINC 629 Coupler, B31110, 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 center CDU to the left Flight Controls 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.
- (4) Replace the ARINC 629 Coupler, B34105, 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 Air Data Inertial Reference Unit (ADIRU) to the left Flight Controls 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, B34106, 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 Air Data Inertial Reference Unit (ADIRU) to the left Flight Controls 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

825. Right CDU Has No Input From ADIRU on Flight Controls 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69305.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34203.
- 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) 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.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 Coupler, B31207, 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 right CDU to the Flight Controls 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, B34205, 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 Air Data Inertial Reference Unit (ADIRU) to the Flight Controls 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) Replace the ARINC 629 Coupler, B34206, 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 ADIRU to the Flight Controls 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** —————

826. Right CDU Has No Input From Left ASG Card (LSCF) on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69405.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34203.

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.

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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 left ARINC Signal Gateway (ASG) Card (LSCF), P085A12.
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, B31115, 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 CDU 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 (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 wiring from the right CDU to the coupler:
 - (a) Remove the right CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31115 from the coupler, B31115.
 - (c) Do a wiring check between these pins of connector DN34203B at the P9 panel and connector DB31115 at the P111 panel (WDM 31-41-28):

DN34203B	DB31115
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31115.

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- 3) Re-install the right CDU, M34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
- 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.
- (6) Do this check of the wiring from the ASG-L card (LSCF) to the coupler:
 - (a) Remove the left ASG card (LSCF), P085A12. 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 DP08504 at the P85 panel and connector DB31101 at the P111 panel (WDM 23-91-11):

DP08504	DB31101
pin 2	pin 2
pin 1	pin 1
pin 5	pin 5
pin 4	pin 4

- (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 DB31101.
 - 3) Re-install the left ASG card (LSCF), P085A12. 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

827. Center CDU Has No Input From Left ASG Card (LSCF) on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69406.

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) Replace the center control display unit (CDU), 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.

 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 (LSCF), P085A12.

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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.
- (3) Replace the ARINC 629 Coupler, B31114, 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 center CDU 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 (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 wiring from the center CDU to the coupler:
- (a) Remove the center CDU, N34303. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31114 from the coupler, B31114.
 - (c) Do a wiring check between these pins of connector DN34303B at the P8 panel and connector DB31114 at the P111 panel (WDM 31-41-28):

DN34303B	DB31114
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31114.
 - 3) Re-install the center CDU, M34303. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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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- (6) Do this check of the wiring from the left ASG card (LSCF) to the coupler:
- (a) Remove the left ASG card (LSCF), P085A12. 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 DP08504 at the P85 panel and connector DB31101 at the P111 panel (WDM 23-91-11):

DP08504	DB31101
pin 2	pin 2
pin 1	pin 1
pin 5	pin 5
pin 4	pin 4

- (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 DB31101.
 - 3) Re-install the left ASG card (LSCF), P085A12. 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

828. Left CDU Has No Input From Left ASG Card (RSCF) on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69407.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 (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.

- (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, B31113, 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 CDU 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 (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 left CDU to the coupler:
- (a) Remove the left CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
- (b) Disconnect connector DB31113 from the coupler, B31113.
- (c) Do a wiring check between these pins of connector DN34103B at the P9 panel and connector DB31113 at the P111 panel (WDM 31-41-28):
- | DN34103B | DB31113 |
|------------------|----------------|
| pin 22 | pin 2 |
| pin 23 | pin 1 |
| pin 24 | pin 5 |
| pin 25 | pin 4 |
- (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 DB31113.
 - 3) Re-install the left CDU, M34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the left ASG card (RSCF) to the coupler:
- (a) Remove the left ASG card (RSCF), P084A12. 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 DP08404 at the P84 panel and connector DB31201 at the P111 panel (WDM 23-91-11):

DP08404	DB31201
pin 2	pin 2
pin 1	pin 1
pin 5	pin 5
pin 4	pin 4

- (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 DB31201.
 - 3) Re-install the left ASG card (RSCF), P084A12. 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 —

829. Right CDU Has No Input From Left ASG Card (RSCF) on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69408.

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.

C. Fault Isolation Procedure

- (1) Replace the right control display unit (CDU), N34203.
- 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 (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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (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, B31115, 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 right CDU 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 (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 right CDU to the coupler:
 - (a) Remove the right CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31115 from the coupler, B31115.
 - (c) Do a wiring check between these pins of connector DN34203B at the P9 panel and connector DB31115 at the P111 panel (WDM 31-41-28):

DN34203B	DB31115
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31115.
 - 3) Re-install the right CDU, M34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the left ASG card (RSCF) to the coupler:
 - (a) Remove the left ASG card (RSCF), P084A12. 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 DP08404 at the P84 panel and connector DB31201 at the P111 panel (WDM 23-91-11):

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DP08404	DB31201
pin 2	pin 2
pin 1	pin 1
pin 5	pin 5
pin 4	pin 4

- (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 DB31201.
 - 3) Re-install the left ASG card (RSCF), P084A12. 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 —

830. Center CDU Has No Input From Left ASG Card (RSCF) on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69409.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 (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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (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, B31114, 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 center CDU 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 (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 center CDU to the coupler:
- (a) Remove the center CDU, N34303. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31114 from the coupler, B31114.
 - (c) Do a wiring check between these pins of connector DN34303B at the P8 panel and connector DB31114 at the P111 panel (WDM 31-41-28):

DN34303B	DB31114
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31114.
 - 3) Re-install the center CDU, M34303. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the left ASG card (RSCF) to the coupler:
- (a) Remove the left ASG card (RSCF), P084A12. 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 DP08404 at the P84 panel and connector DB31201 at the P111 panel (WDM 23-91-11):

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DP08404	DB31201
pin 2	pin 2
pin 1	pin 1
pin 5	pin 5
pin 4	pin 4

- (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 DB31201.
 - 3) Re-install the left ASG card (RSCF), P084A12. 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 —

831. Right CDU Has No Input From BPCU on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69411.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34203.
- 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31115, 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 CDU 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 right CDU to the coupler:
- (a) Remove the right CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31115 from the coupler, B31115.
 - (c) Do a wiring check between these pins of connector DN34203B at the P9 panel and connector DB31115 at the P111 panel (WDM 31-41-28):

DN34203B	DB31115
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31115.
 - 3) Re-install the right CDU, M34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the BPCU to the coupler:
- (a) Remove the BPCU, M24002. To remove it, do this task: BPCU Removal, AMM TASK 24-41-05-000-801.
 - (b) Disconnect connector DB24106 from the coupler, B24106.
 - (c) Do a wiring check between these pins of connector DM24002B at the E1-1 shelf and connector DB24106 at the P111 panel (WDM 23-91-11):

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DM24002B

pin 3T pin 2
pin 3TR pin 1
pin 6T pin 5
pin 6TR pin 4

DB24106

- (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 DB24106.
 - 3) Re-install the 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.

— END OF TASK —

832. Center CDU Has No Input From BPCU on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69412.

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) Replace the center control display unit (CDU), 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31114, 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 center CDU 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 center CDU to the coupler:
- (a) Remove the center CDU, N34303. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31114 from the coupler, B31114.
 - (c) Do a wiring check between these pins of connector DN34303B at the P8 panel and connector DB31114 at the P111 panel (WDM 31-41-28):

DN34303B	DB31114
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31114.
 - 3) Re-install the center CDU, M34303. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the BPCU to the coupler:
- (a) Remove the BPCU, M24002. To remove it, do this task: BPCU Removal, AMM TASK 24-41-05-000-801.
 - (b) Disconnect connector DB24106 from the coupler, B24106.
 - (c) Do a wiring check between these pins of connector DM24002B at the E4-4 shelf and connector DB24106 at the P111 panel (WDM 23-91-11):

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DM24002B

pin 3T pin 2
pin 3TR pin 1
pin 6T pin 5
pin 6TR pin 4

DB24106

- (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 DB24106.
 - 3) Re-install the 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.

— END OF TASK —

833. Right CDU Has No Input From Center CDU on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69414.

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.

C. Fault Isolation Procedure

- (1) Replace the right control display unit (CDU), N34203.
- 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 CDU, 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (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, B31115, 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 right CDU 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, B31114, 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 center CDU 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 right CDU to the coupler:
- (a) Remove the right CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31115 from the coupler, B31115.
 - (c) Do a wiring check between these pins of connector DN34203B at the P9 panel and connector DB31115 at the P111 panel (WDM 31-41-28):

DN34203B	DB31115
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31115.
 - 3) Re-install the right CDU, M34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the center CDU to the coupler:
- (a) Remove the center CDU, N34303. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31114 from the coupler, B31114.
 - (c) Do a wiring check between these pins of connector DN34303B at the P8 panel and connector DB31114 at the P111 panel (WDM 31-41-28):

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DN34303B

pin 22 pin 2
pin 23 pin 1
pin 24 pin 5
pin 25 pin 4

DB31114

- (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 DB31114.
 - 3) Re-install the center CDU, M34303. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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 —

834. Right CDU Has No Input From Left CDU on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69417.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34203.
- 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 CDU, N34103.
- 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (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, B31115, 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 right CDU 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, B31113, 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 CDU 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 right CDU to the coupler:
- (a) Remove the right CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31115 from the coupler, B31115.
 - (c) Do a wiring check between these pins of connector DN34203B at the P9 panel and connector DB31115 at the P111 panel (WDM 31-41-28):

DN34203B	DB31115
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31115.
 - 3) Re-install the right CDU, M34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the left CDU to the coupler:
- (a) Remove the left CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31113 from the coupler, B31113.
 - (c) Do a wiring check between these pins of connector DN34103B at the P9 panel and connector DB31113 at the P111 panel (WDM 31-41-28):

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DN34103B

pin 22 pin 2
pin 23 pin 1
pin 24 pin 5
pin 25 pin 4

DB31113

- (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 DB31113.
 - 3) Re-install the left CDU, M34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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 —

835. Center CDU Has No Input From Left CDU on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69418.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 CDU, N34103.
- 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (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, B31114, 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 center CDU 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, B31113, 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 CDU 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 center CDU to the coupler:
- (a) Remove the center CDU, N34303. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31114 from the coupler, B31114.
 - (c) Do a wiring check between these pins of connector DN34303B at the P8 panel and connector DB31114 at the P111 panel (WDM 31-41-28):

DN34303B	DB31114
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31114.
 - 3) Re-install the center CDU, M34303. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the left CDU to the coupler:
- (a) Remove the left CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31113 from the coupler, B31113.
 - (c) Do a wiring check between these pins of connector DN34103B at the P9 panel and connector DB31113 at the P111 panel (WDM 31-41-28):

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DN34103B

pin 22 pin 2
pin 23 pin 1
pin 24 pin 5
pin 25 pin 4

DB31113

- (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 DB31113.
 - 3) Re-install the left CDU, M34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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 —

836. Center CDU Has No Input From Right CDU on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69421.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 CDU, N34203.
- 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (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, B31114, 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 center CDU 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, B31115, 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 CDU 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 center CDU to the coupler:
- (a) Remove the center CDU, N34303. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31114 from the coupler, B31114.
 - (c) Do a wiring check between these pins of connector DN34303B at the P8 panel and connector DB31114 at the P111 panel (WDM 31-41-28):

DN34303B	DB31114
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31114.
 - 3) Re-install the center CDU, M34303. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the right CDU to the coupler:
- (a) Remove the right CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31115 from the coupler, B31115.
 - (c) Do a wiring check between these pins of connector DN34203B at the P9 panel and connector DB31115 at the P111 panel (WDM 31-41-28):

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DN34203B

pin 22 pin 2
pin 23 pin 1
pin 24 pin 5
pin 25 pin 4

DB31115

- (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 DB31115.
 - 3) Re-install the right CDU, M34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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. Right CDU Has No Input From Left AIMS on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69435.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34203.
- 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31115, 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 CDU 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 right CDU to the coupler:
- (a) Remove the right CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31115 from the coupler, B31115.
 - (c) Do a wiring check between these pins of connector DN34203B at the P9 panel and connector DB31115 at the P111 panel (WDM 31-41-28):

DN34203B	DB31115
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31115.
 - 3) Re-install the right CDU, M34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the left AIMS 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 D06607 at the E3-1 shelf and connector DB31112 at the P111 panel (WDM 31-41-25):

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D06607	DB31112
pin 3	pin 2
pin 4	pin 1
pin 1	pin 5
pin 2	pin 4

- (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) 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.

— END OF TASK —

838. Center CDU Has No Input From Left AIMS on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69436.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31114, 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 center CDU 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 center CDU to the coupler:
- (a) Remove the center CDU, N34303. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31114 from the coupler, B31114.
 - (c) Do a wiring check between these pins of connector DN34303B at the P8 panel and connector DB31114 at the P111 panel (WDM 31-41-28):

DN34303B	DB31114
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31114.
 - 3) Re-install the center CDU, M34303. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the left AIMS 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 D06607 at the E3-1 shelf and connector DB31112 at the P111 panel (WDM 31-41-25):

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D06607	DB31112
pin 3	pin 2
pin 4	pin 1
pin 1	pin 5
pin 2	pin 4

- (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) 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.

— END OF TASK —

839. Right CDU Has No Input From Right AIMS on System 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69438.

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) Replace the right control display unit (CDU), N34203.
- 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31115, 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 CDU 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 right CDU to the coupler:
- (a) Remove the right CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31115 from the coupler, B31115.
 - (c) Do a wiring check between these pins of connector DN34203B at the P9 panel and connector DB31115 at the P111 panel (WDM 31-41-28):

DN34203B	DB31115
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31115.
 - 3) Re-install the right CDU, M34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the right AIMS 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 D06707 at the E2-1 shelf and connector DB31116 at the P111 panel (WDM 31-41-25):

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D06707	DB31116
pin 3	pin 2
pin 4	pin 1
pin 1	pin 5
pin 2	pin 4

- (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) 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.

— END OF TASK —

840. Center CDU Has No Input From Right AIMS on System 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69439.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31114, 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 center CDU 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 center CDU to the coupler:
- (a) Remove the center CDU, N34303. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31114 from the coupler, B31114.
 - (c) Do a wiring check between these pins of connector DN34303B at the P8 panel and connector DB31114 at the P111 panel (WDM 31-41-28):

DN34303B	DB31114
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31114.
 - 3) Re-install the center CDU, M34303. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the right AIMS 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 D06707 at the E2-1 shelf and connector DB31116 at the P111 panel (WDM 31-41-25):

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D06707	DB31116
pin 3	pin 2
pin 4	pin 1
pin 1	pin 5
pin 2	pin 4

- (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) 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.

— END OF TASK —

841. Right CDU Has No Input From Left OPBC on System 629 Bus-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 right control display unit (CDU), N34203.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31115, 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 CDU 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 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 right CDU to the coupler:
 - (a) Remove the right CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31115 from the coupler, B31115.
 - (c) Do a wiring check between these pins of connector DN34203B at the P9 panel and connector DB31115 at the P111 panel (WDM 31-41-28):

DN34203B	DB31115
pin 2	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31115.
 - 3) Re-install the right CDU, M34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the left OPBC to the coupler:
 - (a) Remove the left OPBC, 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 the P5 panel and connector DB23126 at the P111 panel (WDM 23-93-11):

DM23112B	DB23126
pin 2	pin 2
pin 1	pin 1
pin 5	pin 5
pin 4	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 20-13-00).
 - 2) Re-connect connector DB23126.
 - 3) Re-install the left OPBC, 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.

————— **END OF TASK** —————

842. Center CDU Has No Input From Left OPBC on System 629 Bus-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 center control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31114, 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 center CDU 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 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 center CDU to the coupler:
 - (a) Remove the center CDU, N34303. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31114 from the coupler, B31114.
 - (c) Do a wiring check between these pins of connector DN34303B at the P8 panel and connector DB31114 at the P111 panel (WDM 31-41-28):

DN34303B	DB31114
pin 2	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31114.
 - 3) Re-install the center CDU, M34303. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the left OPBC to the coupler:
 - (a) Remove the left OPBC, 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 the P5 panel and connector DB23126 at the P111 panel (WDM 23-93-11):

DM23112B	DB23126
pin 2	pin 2
pin 1	pin 1
pin 5	pin 5
pin 4	pin 4

- (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 DB23126.
 - 3) Re-install the left OPBC, 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.

————— END OF TASK —————

843. Right CDU Has No Input From Right OPBC on System 629 Bus-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 right control display unit (CDU), N34203.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31115, 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 CDU 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 right 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.

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- (5) Do this check of the wiring from the right CDU to the coupler:
- (a) Remove the right CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31115 from the coupler, B31115.
 - (c) Do a wiring check between these pins of connector DN34203B at the P9 panel and connector DB31115 at the P111 panel (WDM 31-41-28):

DN34203B	DB31115
pin 2	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31115.
 - 3) Re-install the right CDU, M34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the right OPBC to the coupler:
- (a) Remove the right OPBC, 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 DM23212AB at the P5 panel and connector DB23127 at the P111 panel (WDM 23-93-21):

DM23212AB	DB23127
pin 2	pin 2
pin 1	pin 1
pin 5	pin 5
pin 4	pin 4

- (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 DB23127.
 - 3) Re-install the right OPBC, 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** ————

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844. Center CDU Has No Input From Right OPBC on System 629 Bus-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 center control display unit (CDU), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31114, 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 center CDU 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 this check of the wiring from the center CDU to the coupler:
 - (a) Remove the center CDU, N34303. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31114 from the coupler, B31114.
 - (c) Do a wiring check between these pins of connector DN34303B at the P8 panel and connector DB31114 at the P111 panel (WDM 31-41-28):

DN34303B

DB31114

pin 22	.....	pin 2
pin 23	.....	pin 1
pin 24		pin 5
pin 25		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 20-13-00).
- 2) Re-connect connector DB31114.
- 3) Re-install the center CDU, M34303. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
- 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.
- (5) Do this check of the wiring from the right OPBC to the coupler:
 - (a) Remove the right OPBC, 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 DM23212AB at the P5 panel and connector DB23127 at the P111 panel (WDM 23-93-21):

DM23212AB	DB23127
pin 2	pin 2
pin 1	pin 1
pin 5	pin 5
pin 4	pin 4

- (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 DB23127.
 - 3) Re-install the right OPBC, 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** —————

845. Right CDU Has No Input From Left AFDC on System 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69459.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34203.

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.

- (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 Autopilot Flight Director Computer (AFDC), 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, B31115, 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 CDU 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 left AFDC 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 right CDU to the coupler:
- (a) Remove the right CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
- (b) Disconnect connector DB31115 from the coupler, B31115.
- (c) Do a wiring check between these pins of connector DN34203B at the P9 panel and connector DB31115 at the P111 panel (WDM 31-41-28):
- | DN34203B | DB31115 |
|------------------|----------------|
| pin 22 | pin 2 |
| pin 23 | pin 1 |
| pin 24 | pin 5 |
| pin 25 | pin 4 |
- (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 DB31115.
 - 3) Re-install the right CDU, M34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.

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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.
- (6) Do this check of the wiring from the left AFDC to the coupler:
 - (a) Remove the left AFDC, M22101. To remove it, do this task: Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801.
 - (b) Disconnect connector DB22104 from the coupler, B22104.
 - (c) Do a wiring check between these pins of connector DM22101AD at the E1-3 shelf and connector DB22104 at the P111 panel (WDM 22-11-18):

DM22101AD	DB22104
pin 5T	pin 2
pin 5TR	pin 1
pin 2T	pin 5
pin 2TR	pin 4

- (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 DB22104.
 - 3) Re-install the left AFDC, 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** —————

846. Center CDU Has No Input From Left AFDC on System 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69460.

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.

C. Fault Isolation Procedure

- (1) Replace the center control display unit (CDU), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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, B31114, 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 center CDU 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 left AFDC 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 center CDU to the coupler:
 - (a) Remove the center CDU, N34303. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect connector DB31114 from the coupler, B31114.
 - (c) Do a wiring check between these pins of connector DN34303B at the P8 panel and connector DB31114 at the P111 panel (WDM 31-41-28):

DN34303B	DB31114
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (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 DB31114.
 - 3) Re-install the center CDU, M34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.
- (6) Do this check of the wiring from the left AFDC to the coupler:

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- (a) Remove the left AFDC, M22101. To remove it, do this task: Autopilot Flight Director Computer Removal, AMM TASK 22-11-01-000-801.
- (b) Disconnect connector DB22104 from the coupler, B22104.
- (c) Do a wiring check between these pins of connector DM22101AD at the E1-3 shelf and connector DB22104 at the P111 panel (WDM 22-11-18):

DM22101AD	DB22104
pin 5T	pin 2
pin 5TR	pin 1
pin 2T	pin 5
pin 2TR	pin 4

- (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 DB22104.
 - 3) Re-install the left AFDC, 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 —

847. Left CDU Has No Input on System ARINC 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 34-61041, 34-69601.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31210, 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 CDU 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 the wiring:
 - (a) Remove the left CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect the ARINC 629 Coupler, B31210, in the P211 panel.
 - (c) Do a wiring check between these pins of connector DN34103B at the P9 Panel and connector DB31210 (WDM 31-41-28):

DN34103B	DB31210
pin 20	pin 5
pin 21	pin 4
pin 30	pin 2
pin 31	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 the ARINC 629 Coupler, B31210, in the P211 panel.
 - 3) Re-install the left CDU, N34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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 —————

848. Center CDU Has No Input on System ARINC 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 34-61042, 34-69602.

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) Replace the center control display unit (CDU), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31212, 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 center CDU 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:
 - (a) Remove the center CDU, N34303. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect the ARINC 629 Coupler, B31212, in the P211 panel.
 - (c) Do a wiring check between these pins of connector DN34303B at the P9 Panel and connector DB31212 (WDM 31-41-28):

DN34303B	DB31212
pin 20	pin 5
pin 21	pin 4
pin 30	pin 2
pin 31	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 the ARINC 629 Coupler, B31212, in the P211 panel.
 - 3) Re-install the center CDU, N34303. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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** —————

849. Right CDU Has No Input on System ARINC 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 34-61043, 34-69603.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34203.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31213, in the P211 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 right CDU 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:
 - (a) Remove the right CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - 1) Re-connect the ARINC 629 Coupler, B31213, in the P211 panel.
 - (b) Do a wiring check between these pins of connector DN34203B at the P9 Panel and connector DB31213 (WDM 31-41-28):

DN34203B	DB31213
pin 20	pin 5
pin 21	pin 4
pin 30	pin 2
pin 31	pin 1

- (c) 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 the ARINC 629 Coupler, B31213, in the P211 panel.
 - 3) Re-install the right CDU, N34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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** ————

850. Left CDU Has No Input From Right ASG Card (LSCF) on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69604.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34103.

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.

- (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 ARINC Signal Gateway (ASG) Card (LSCF), P085A15.
- 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, B31210, 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 CDU 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 right ASG card (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.

— END OF TASK —

851. Right CDU Has No Input From Right ASG Card (LSCF) on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69605.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34203.
- 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance 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 ARINC Signal Gateway (ASG) Card (LSCF), P085A15.
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, B31213, 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 CDU 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 right ASG card (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.

— END OF TASK —

852. Center CDU Has No Input From Right ASG Card (LSCF) on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69606.

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.

C. Fault Isolation Procedure

- (1) Replace the center control display unit (CDU), 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.
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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.

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- (2) Replace the right ARINC Signal Gateway (ASG) Card (LSCF), P085A15.
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, B31212, 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 center CDU 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 right ASG card (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.

— END OF TASK —

853. Left CDU Has No Input From Right ASG Card (RSCF) on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69607.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34103.
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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 (RSCF), P084A15.

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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.
- (3) Replace the ARINC 629 Coupler, B31210, 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 CDU 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 right ASG card (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.

————— **END OF TASK** —————

854. Right CDU Has No Input From Right ASG Card (RSCF) on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69608.

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) Replace the right control display unit (CDU), N34203.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 (RSCF), P084A15.

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, B31213, 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 CDU 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 right ASG card (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.

————— END OF TASK —————

855. Center CDU Has No Input From Right ASG Card (RSCF) on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69609.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 (RSCF), P084A15.

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.
- (3) Replace the ARINC 629 Coupler, B31212, 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 center CDU 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 right ASG card (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.

— END OF TASK —

856. Left CDU Has No Input From BPCU on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69610.

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) Replace the left control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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.

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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, B31210, 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 CDU 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.

————— **END OF TASK** —————

857. Right CDU Has No Input From BPCU on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69611.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34203.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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.

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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, B31213, 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 CDU 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.

————— **END OF TASK** —————

858. Center CDU Has No Input From BPCU on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69612.

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.

C. Fault Isolation Procedure

- (1) Replace the center control display unit (CDU), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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.

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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, B31212, 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 center CDU 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.

————— **END OF TASK** —————

859. Left CDU Has No Input From Center CDU on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69613.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 CDU, 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.

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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, B31210, 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 CDU 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, B31212, 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 center CDU 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** —————

860. Right CDU Has No Input From Center CDU on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69614.

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) Replace the right control display unit (CDU), N34203.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 CDU, 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.

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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, B31213, 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 CDU 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, B31212, 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 center CDU 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** —————

861. Right CDU Has No Input From Left CDU on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69617.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34203.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 CDU, N34103.

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.

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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, B31213, 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 CDU 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, B31210, 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 CDU 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** —————

862. Center CDU Has No Input From Left CDU on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69618.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 CDU, N34103.

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.

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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, B31212, 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 center CDU 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, B31210, 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 CDU 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. Left CDU Has No Input From Right CDU on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69619.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 CDU, N34203.

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.

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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, B31210, 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 CDU 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, B31213, 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 CDU 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. Center CDU Has No Input From Right CDU on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69621.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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 CDU, N34203.

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.

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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, B31212, 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 center CDU 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, B31213, 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 CDU 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. Left CDU Has No Input From Left AIMS on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69634.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34103.
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.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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.

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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, B31210, 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 CDU 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.

- (a) 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 CDU Has No Input From Left AIMS on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69635.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34203.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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.

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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, B31213, 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 CDU 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.

- (a) 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. Center CDU Has No Input From Left AIMS on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69636.

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) Replace the center control display unit (CDU), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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.

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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, B31212, 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 center CDU 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.

- (a) 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 (Right, Center) FMC CDU Annunciator Lights Inop - Fault Isolation

A. Fault Isolation Procedure

- (1) Replace the applicable left, (right, center) control display unit (CDU), N34103, (N34203, 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.

————— **END OF TASK** —————

869. Left (Right, Center) FMC CDU Alphanumeric Key Inop - Fault Isolation

A. Fault Isolation Procedure

- (1) Replace the applicable left, (right, center) control display unit (CDU), N34103, (N34203, 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.

————— **END OF TASK** —————

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870. Left (Right, Center) FMC CDU Mode/Function Key Inop - Fault Isolation

A. Fault Isolation Procedure

- (1) Replace the applicable left, (right, center) control display unit (CDU), N34103, (N34203, 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.

———— **END OF TASK** ————

871. Left (Right, Center) FMC CDU Line Select Key Inop - Fault Isolation

A. Fault Isolation Procedure

- (1) Replace the applicable left, (right, center) control display unit (CDU), N34103, (N34203, 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.

———— **END OF TASK** ————

872. Left (Right, Center) FMC CDU Brightness Control Problem - Fault Isolation

A. Fault Isolation Procedure

- (1) Replace the applicable left, (right, center) control display unit (CDU), N34103, (N34203, 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.

———— **END OF TASK** ————

873. Left (Right, Center) FMC CDU Display is Dim or Out of Focus - Fault Isolation

A. Fault Isolation Procedure

- (1) Replace the applicable left, (right, center) control display unit (CDU), N34103, (N34203, 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.

———— **END OF TASK** ————

874. Left (Right, Center) FMC CDU Display Blank - Fault Isolation

A. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 34 AIMS Flight Management Computing System, System Test, Control Display Unit (Left, Right, Center).
 - (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 applicable left, (right, center) control display unit (CDU), N34103, (N34203, 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.

————— END OF TASK —————

875. Left CDU Has No Input From Right AIMS on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69637.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31210, 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 CDU 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:

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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 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.

————— **END OF TASK** —————

876. Right CDU Has No Input From Right AIMS on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69638.

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) Replace the right control display unit (CDU), N34203.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31213, 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 CDU 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,

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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.

————— **END OF TASK** —————

877. Center CDU Has No Input From Right AIMS on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69639.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31212, 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 center CDU 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.

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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.

————— **END OF TASK** —————

878. Left CDU Has No Input From Left OPBC 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 left control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31210, 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 CDU 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 left OPBC 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.

————— END OF TASK —————

879. Right CDU Has No Input From Left OPBC 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 control display unit (CDU), N34203.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31213, 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 CDU 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 left OPBC 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 —————

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880. Center CDU Has No Input From Left OPBC 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 center control display unit (CDU), 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.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31212, 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 center CDU 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 left OPBC 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** —————

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881. Left CDU Has No Input From Right OPBC 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 left control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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:

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, B31210, 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 CDU 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 right OPBC 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** —————

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882. Right CDU Has No Input From Right OPBC 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 control display unit (CDU), N34203.
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.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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:
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, B31213, 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 CDU 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 right OPBC 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** ————

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883. Center CDU Has No Input From Right OPBC 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 center control display unit (CDU), 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.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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:
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, B31212, 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 center CDU 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 right OPBC 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 —————

884. Left CDU Has No Input From Right AFDC on System 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69658.

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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 control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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), 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, B31210, 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 CDU 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 right AFDC 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** —————

885. Right CDU Has No Input From Right AFDC on System 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69659.

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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 control display unit (CDU), N34203.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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), 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, B31213, 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 CDU 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 right AFDC 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** —————

886. Center CDU Has No Input From Right AFDC on System 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69660.

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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 center control display unit (CDU), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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), 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, B31212, 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 center CDU 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 right AFDC 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** —————

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887. EICAS Message Pilot Response - Fault Isolation

A. Initial Evaluation

NOTE: This message shows when no activity has been detected on the MCP, EFIS CP, DSP, VHF/HF radios, or CDUs for a period of time. No maintenance action is necessary.

———— **END OF TASK** ————

888. (FMC/F, FMC/F/Nav) in AIMS-L Has An Internal Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 31-51421.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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.

———— **END OF TASK** ————

889. (FMC/F, FMC/F/Nav) in AIMS-R Has An Internal Software Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51414, 31-51424, 34-71032, 34-72012.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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/STD (M002) in Right AIMS Module Reset.

- (2) If the maintenance message does not show on the ground test display, then there was an intermittent fault.

- (3) 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.

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- (b) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

890. Left CDU Has An ARINC 629 Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-61011.

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) Replace the left control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31109, 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 left CDU to the left Flight Controls 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:
- (a) Remove the left CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
- (b) Do a wiring check between these pins of connector DN34103B at the P9 Panel and connector DB31109 at the P112 panel (WDM 31-41-28):

DN34103B

pin 2 pin 5
pin 3 pin 4
pin 5 pin 2
pin 6 pin 1

DB31109

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the left CDU, N34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.

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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** —————

891. Center CDU Has An ARINC 629 Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-61012.

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.

C. Fault Isolation Procedure

- (1) Replace the center control display unit (CDU), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31110, 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 center CDU to the Flight Controls 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:
 - (a) Remove the center CDU, N34303. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect the ARINC 629 Coupler, B31110, in the P112 panel.
 - (c) Do a wiring check between these pins of connector DN34303B at the P8 Panel and connector DB31110 at the P112 panel (WDM 31-41-28):

DN34303B

pin 2	.....	pin 5
pin 3	.....	pin 4
pin 5	.....	pin 2
pin 6	.....	pin 1

DB31110

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

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- 2) Re-connect the ARINC 629 Coupler, B31110, in the P112 panel.
- 3) Re-install the center CDU, N34303. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
- 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. Right CDU Has An ARINC 629 Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-61013.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34203.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31207, 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 right CDU to the Flight Controls 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:
 - (a) Remove the right CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect the ARINC 629 Coupler, B31207, in the P212 panel.
 - (c) Do a wiring check between these pins of connector DN34203B at the P9 Panel and connector DB31207 at the P212 panel (WDM 31-41-28):

DN34203B

pin 2		pin 5
pin 3		pin 4
pin 5		pin 2
pin 6		pin 1

DB31207

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- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect the ARINC 629 Coupler, B31207, in the P212 panel.
 - 3) Re-install the right CDU, N34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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. Left CDU Has An ARINC 629 Fault - 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 control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31313, 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 left CDU to the AIMS Intercabinet Bus-I2.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect the ARINC 629 Coupler, B31313, in the P311 panel.
 - (c) Do a wiring check between these pins of connector DN34103B at the P9 Panel and connector DB31313 at the P311 panel (WDM 31-41-28):

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DN34103B

pin 28 pin 5
pin 29 pin 4
pin 26 pin 2
pin 27 pin 1

DB31313

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect the ARINC 629 Coupler, B31313, in the P311 panel.
 - 3) Re-install the left CDU, N34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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 —

894. Center CDU Has An ARINC 629 Fault - 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 center control display unit (CDU), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31315, 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 center CDU to the AIMS Intercabinet Bus-I2.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 CDU, N34303. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect the ARINC 629 Coupler, B31315, in the P311 panel.

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- (c) Do a wiring check between these pins of connector DN34303B at the P8 Panel and connector DB31315 at the P311 panel (WDM 31-41-28):

DN34303B	DB31315
pin 28	pin 5
pin 29	pin 4
pin 26	pin 2
pin 27	pin 1

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect the ARINC 629 Coupler, B31315, in the P311 panel.
 - 3) Re-install the center CDU, N34303. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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 —

895. Right CDU Has An ARINC 629 Fault - 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 control display unit (CDU), N34203.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31316, 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 right CDU to the AIMS Intercabinet Bus-I2.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.

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- (b) Disconnect the ARINC 629 Coupler, B31316, in the P311 panel.
- (c) Do a wiring check between these pins of connector DN34203B at the P9 Panel and connector DB31316 at the P311 panel (WDM 31-41-28):

DN34203B	DB31316
pin 28	pin 5
pin 29	pin 4
pin 26	pin 2
pin 27	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect the ARINC 629 Coupler, B31316, in the P311 panel.
 - 3) Re-install the right CDU, N34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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. Center CDU No Output on CDU-C SDU-PA/CI Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-68896.

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 center control display unit (CDU), 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.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (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 CDU, N34303. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Do a wiring check between these pins of connector DN34303C at the P8 Panel and connector DM23106AB at the E11-1 shelf (WDM 23-27-72):

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DN34303C

pin 23 pin J8
pin 24 pin K8

DM23106AB

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the center CDU, N34303. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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 —

897. Center CDU No Input From PA/CI Controller on PA/CI CDU-C 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69901.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 control display unit (CDU), 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 CDU, N34303. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
- (b) Remove the Passenger Address/Cabin Interphone (PA/CI) Controller, M23016. To remove it, do this task: Passenger Address/Cabin Interphone Controller (PA/CI) Removal, AMM TASK 23-39-03-000-801.
- (c) Do a wiring check between these pins of connector DN34303C at the P8 Panel and connector DM23016AD at the E1-4 shelf (WDM 23-42-11):

DN34303C

pin 21 pin D8
pin 22 pin E8

DM23016AD

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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 PA/CI Controller, M23016. To install it, do this task: Passenger Address/Cabin Interphone Controller (PA/CI) Installation, AMM TASK 23-39-03-400-801.
 - 3) Re-install the center CDU, N34303. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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) Replace the PA/CI 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.
- (a) 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. Left CDU No Input From Left SDU on SDU-L DATA TO CDU 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69902.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 control display unit (CDU), N34103.

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.

 - (a) If the MAT shows NOT ACTIVE for the maintenance message (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 left CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
- (b) Do a wiring check between these pins of connector DN34103C at the P9 Panel and connector DM23106AB at the E11 shelf (WDM 23-15-15):

DN34103C

pin 41 pin J3
pin 42 pin K3

DM23106AB

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left CDU, N34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.

————— **END OF TASK** —————

899. Right CDU No Input From Left SDU on SDU-L DATA TO CDU 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69903.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 control display unit (CDU), N34203.
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.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (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 CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Do a wiring check between these pins of connector DN34203C at the P9 Panel and connector DM23106AB at the E11 shelf (WDM 23-15-15):

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DN34203C

pin 41 pin J3
pin 42 pin K3

DM23106AB

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the right CDU, N34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.

END OF TASK

900. Center CDU No Input From Left SDU on SDU-L DATA TO CDU 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69904.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 control display unit (CDU), 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 CDU, N34303. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
- (b) Do a wiring check between these pins of connector DN34303C at the P8 Panel and connector DM23106AB at the E11 shelf (WDM 23-15-15):

DN34303C

pin 41 pin J3
pin 42 pin K3

DM23106AB

- (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 center CDU, N34303. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
- 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.

————— **END OF TASK** —————

901. Left CDU No Input From Right SDU on SDU-R DATA TO CDU 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69905.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 control display unit (CDU), N34103.
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.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (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 CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Do a wiring check between these pins of connector DN34103C at the P9 Panel and connector DM23206AA at the E13 shelf (WDM 23-15-25):

DN34103C

pin 40
pin 39

DM23206AA

pin J3
pin K3

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left CDU, N34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.

————— **END OF TASK** —————

902. Right CDU No Input From Right SDU on SDU-R DATA TO CDU 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69906.

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) Replace the right control display unit (CDU), N34203.
- 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
- (b) Do a wiring check between these pins of connector DN34203C at the P9 Panel and connector DM23206AA at the E13 shelf (WDM 23-15-25):

DN34203C	DM23106AA
pin 40	pin J3
pin 39	pin K3

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the right CDU, N34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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.

————— **END OF TASK** —————

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903. Center CDU No Input From Right SDU on SDU-R DATA TO CDU 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-69907.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 control display unit (CDU), 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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 CDU, N34303. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
- (b) Do a wiring check between these pins of connector DN34303C at the P8 Panel and connector DM23206AA at the E13 shelf (WDM 23-15-25):

DN34303C

pin 41 pin J3
pin 42 pin K3

DM23206AA

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the center CDU, N34303. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
- 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.

————— **END OF TASK** —————

904. Left FMCF (FMCF/Nav) No Input from CMCF in Left AIMS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 34-71201, 34-72201.

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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 these AIMS module resets:
 - (a) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/Comm (M001) 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.
 - (b) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/STD (M002) 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.
- (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 —————

905. Left FMCF (FMCF/Nav) Software Configuration Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 34-71011, 34-72031.

B. 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.

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- (b) If a part number is incorrect, install software in the CPM/STD (M002) module 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.
- (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 —————

906. Right FMCF (FMCF/Nav) Software Configuration Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 34-71012, 34-72032.

B. 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 (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) module 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.
 - (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 —————

907. Left and Right FMCF Software Configuration Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-71020.

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

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908. FMCf AMI in AIMS-L Incorrect Data - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-71051.

B. Initial Evaluation

- (1) Do a check of the system configuration for this system on the MAT: 34 AIMS - Flight Management Computing System.
- (a) Find FMCf AMI on the display.
- (b) If the software part number on the display is 3114-HNP-00A-01, then no maintenance action is necessary.
- (c) If the software part number on the display is not 3114-HNP-00A-01, then continue.

C. 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/STD (M002), 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/Standard Software Installation, AMM TASK 31-41-05-420-801.
- (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** —————

909. FCMF AMI in AIMS-R Incorrect Data - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-71052.

B. Initial Evaluation

- (1) Do a check of the system configuration for this system on the MAT: 34 AIMS - Flight Management Computing System.
- (a) Find FMCf AMI on the display.
- (b) If the software part number on the display is 3114-HNP-00A-01, then no maintenance action is necessary.
- (c) If the software part number on the display is not 3114-HNP-00A-01, then continue.

C. 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/STD (M002), 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/Standard Software Installation, AMM TASK 31-41-05-420-801.

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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.

— END OF TASK —

910. FMCF (Right) No Input from CMCF in Left AIMS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-71202.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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)
 - 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.
- (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)
- (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.
 - 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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- (d) If none of the maintenance messages given above show in Existing Faults, then continue.
- (2) Do these AIMS module resets:
 - (a) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/Comm (M001) 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.
 - (b) 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.
 - (c) 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.
 - (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 - 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, CPM/STD (M002) 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.

————— **END OF TASK** —————

911. FMCF (Right) No Input from TMCF in Right AIMS - 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/STD (M002) module in the right AIMS cabinet.

These are the tasks:

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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** —————

912. FMCF/Nav (Right) No Input from CMCF in Left AIMS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-72202.

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) 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) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/Comm (M001) 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.
 - (b) 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.
 - (c) 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.
 - (d) 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.
 - (e) 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.
 - (f) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/STD (M002) 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.

————— END OF TASK —————

913. FMCF (Left) Has An Internal Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 31-51411.

B. Fault Isolation Procedure

- (1) Replace the CPM/STD (M002) module in the left AIMS cabinet.

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.

- (a) 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. FMCF (Right) Has An Internal Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 31-51412.

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 —————

915. FMCF (FMCF/Nav) in AIMS Has An Internal Fault (CPM/GG) - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51611, 31-51612, 31-51621, 31-51622.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 applicable left or 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 —————

916. (FMCF, FMCF/Nav) in AIMS Has An Internal Software Fault (CPM/GG) - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 31-51613, 31-51614, 31-51623, 31-51624.

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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) For the left AIMS cabinet, do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG (M010) in Left AIMS Module Reset.
- (2) For the right AIMS cabinet, 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 —————

917. Left CDU Has A System ARINC 629 Bus-L Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 34-61031, 34-68841, 34-69401.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31113, 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 CDU 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:
 - (a) Remove the left CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect the ARINC 629 Coupler, B31113, in the P111 panel.

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- (c) Do a wiring check between these pins of connector DN34103B at the P9 Panel and connector DB31113 at the P111 panel (WDM 31-41-28):

DN34103B	DB31113
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect the ARINC 629 Coupler, B31113, in the P111 panel.
 - 3) Re-install the left CDU, N34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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 —

918. Center CDU Has A System ARINC 629 Bus-L Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 34-61032, 34-68843, 34-69402.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), 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.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31114, 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 center CDU 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:

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- (a) Remove the center CDU, N34303. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
- (b) Disconnect the ARINC 629 Coupler, B31114, in the P111 panel.
- (c) Do a wiring check between these pins of connector DN34303B at the P8 Panel and connector DB31114 at the P111 panel (WDM 34-61-11):

DN34303B	DB31114
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect the ARINC 629 Coupler, B31114, in the P111 panel.
 - 3) Re-install the center CDU, N34303. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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 —

919. Right CDU Has A System ARINC 629 Bus-L Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 34-61033, 34-68842, 34-69403.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 control display unit (CDU), N34203.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B31115, 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 CDU 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 the wiring:
 - (a) Remove the right CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Disconnect the ARINC 629 Coupler, B31115, in the P111 panel.
 - (c) Do a wiring check between these pins of connector DN34203B at the P9 Panel and connector DB31115 at the P111 panel (WDM 31-41-28):

DN34203B	DB31115
pin 22	pin 2
pin 23	pin 1
pin 24	pin 5
pin 25	pin 4

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect the ARINC 629 Coupler, B31115, in the P111 panel.
 - 3) Re-install the right CDU, N34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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. Left CDU No Output on CDU-L SDU Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-68894.

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 left control display unit (CDU), N34103.

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.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 left CDU, N34103. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
- (b) Do a wiring check between these pins of connector DN34103C at the P9 Panel and connector DM23106AB at the E11-1 shelf (WDM 23-27-72):

DN34103C

pin 23 pin C3
pin 24 pin D3

DM23106AB

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left CDU, N34103. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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 —————

921. Right CDU No Output on CDU-R SDU Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-68895.

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.

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 control display unit (CDU), N34203.
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.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (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 CDU, N34203. To remove it, do this task: Control Display Unit (CDU) Removal, AMM TASK 34-61-02-020-801.
 - (b) Do a wiring check between these pins of connector DN34203C at the P9 Panel and connector DM23106AB at the E11-1 shelf (WDM 23-27-72):

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DN34203C

pin 23 pin E3
pin 24 pin F3

DM23106AB

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the right CDU, N34203. To install it, do this task: Control Display Unit (CDU) Installation, AMM TASK 34-61-02-420-801.
 - 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 —

922. Left FMCF (FMCF/Nav) No Input from CMCF in Right AIMS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 34-71203, 34-72203.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 (M004) in Right AIMS
 - b) IOM (M003) 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 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.
 - (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 (M003) in Left AIMS
 - b) IOM (M009) 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)

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- (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.
 - 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) 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.
 - (b) 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.
 - (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 - 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.
 - (e) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM (M009) 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, CPM/STD (M002) 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.

————— **END OF TASK** —————

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923. Left FMCF (FMCF/Nav) No Input from CMCF in Left AIMS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 34-71204, 34-72204.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 AIMS module resets:
 - (a) 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.
 - (b) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/STD (M002) 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) 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 —————

924. FMCF (Left) No Input from FMCF in Right AIMS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-71211.

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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 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 (M004) in Right AIMS
 - b) IOM (M003) 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 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.
 - (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 (M003) in Left AIMS
 - b) IOM (M009) 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)
 - (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.
 - 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) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/STD (M002) 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.

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- 2) If the MAT shows ACTIVE for the maintenance message, then continue.
- (b) 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.
- (c) 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.
- (d) 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.
- (e) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM (M009) 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, CPM/STD (M002) 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.

————— END OF TASK —————

925. FMCF (Right) No Input from FMCF in Left AIMS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-71212.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 (M003) in Left AIMS
 - b) IOM (M009) in Left AIMS
 - 2) An IOM has an ARINC 629 fault on one of these busses:
 - a) AIMS Intercabinet ARINC 629 Bus (1)

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- b) AIMS Intercabinet ARINC 629 Bus (2)
 - 3) The right AIMS has no input from the left AIMS on one of these busses:
 - a) AIMS Intercabinet ARINC 629 Bus (1)
 - b) AIMS Intercabinet ARINC 629 Bus (2)
 - 4) The right AIMS has no input from the left AIMS on any AIMS Intercabinet ARINC 629 Bus.
 - (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 (M008) in Right AIMS
 - b) IOM (M009) in Right AIMS
 - 2) An IOM has an ARINC 629 fault on one of these busses:
 - a) AIMS Intercabinet ARINC 629 Bus (1)
 - b) AIMS Intercabinet ARINC 629 Bus (2)
 - (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.
 - 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) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/STD (M002) 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.
 - (b) 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.
 - (c) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM (M009) 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 - Right AIMS, System Test, IOM (M008) in Right AIMS Module Reset.

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- 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 (M009) 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, CPM/STD (M002) 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.

————— END OF TASK —————

926. FMCF (Left) No Input from FMCF/Nav in R-AIMS on System 629 Left 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

- (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 (M009) in Right AIMS
 - 2) An IOM has an ARINC 629 fault on one of these busses:
 - a) Left System Bus
 - 3) The left AIMS has no input from the right AIMS on one of these busses:
 - a) Left System Bus
 - (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 (M009) in Left AIMS
 - 2) An IOM has an ARINC 629 fault on one of these busses:
 - a) Left System 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.
 - 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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- (d) If none of the maintenance messages given above show in Existing Faults, then continue.
- (2) Do these AIMS module resets:
 - (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/STD (M002) 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.
 - (b) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM (M009) 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 - Left AIMS, System Test, IOM (M009) 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, CPM/STD (M002) 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.

————— **END OF TASK** —————

927. FMCF (Right) No Input from FMCF/Nav in L-AIMS on System 629 Left 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

- (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 (M009) in Left AIMS
 - 2) An IOM has an ARINC 629 fault on one of these busses:
 - a) Left System Bus
 - 3) The right AIMS has no input from the left AIMS on one of these busses:
 - a) Left System Bus
 - (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 (M009) in Right AIMS

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- 2) An IOM has an ARINC 629 fault on one of these busses:
 - a) Left System 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.
 - 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) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/STD (M002) 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.
 - (b) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM (M009) 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.
 - (c) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM (M009) 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, CPM/STD (M002) 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.

————— END OF TASK —————

928. FMCF (Left) No Input from FMCF/Nav in R-AIMS on System 629 Right 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

- (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:

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- 1) One of these modules has no output on the AIMS backplane:
 - a) IOM (M009) in Right AIMS
- 2) An IOM has an ARINC 629 fault on one of these busses:
 - a) Right System Bus
- 3) The left AIMS has no input from the right AIMS on one of these busses:
 - a) Right System Bus
- (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 (M009) in Left AIMS
 - 2) An IOM has an ARINC 629 fault on one of these busses:
 - a) Right System 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.
 - 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) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/STD (M002) 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.
 - (b) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM (M009) 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 - Left AIMS, System Test, IOM (M009) 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, CPM/STD (M002) 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.

————— **END OF TASK** —————

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929. FMCF (Right) No Input from FMCF/Nav in L-AIMS on System 629 Right 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

- (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 (M009) in Left AIMS
 - 2) An IOM has an ARINC 629 fault on one of these busses:
 - a) Right System Bus
 - 3) The right AIMS has no input from the left AIMS on one of these busses:
 - a) Right System Bus
 - (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 (M009) in Right AIMS
 - 2) An IOM has an ARINC 629 fault on one of these busses:
 - a) Right System 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.
 - 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) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/STD (M002) 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.
 - (b) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM (M009) 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.

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- (c) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM (M009) 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, CPM/STD (M002) 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.

———— **END OF TASK** ————

930. FMCF (Left) No Input from TMCF in Right AIMS - 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 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 (M008) in Right AIMS
 - b) IOM (M009) in Right AIMS
 - 2) An IOM has an ARINC 629 fault on one of these busses:
 - a) AIMS Intercabinet ARINC 629 Bus (1)
 - b) AIMS Intercabinet ARINC 629 Bus (2)
 - 3) The left AIMS has no input from the right AIMS on one of these busses:
 - a) AIMS Intercabinet ARINC 629 Bus (1)
 - b) AIMS Intercabinet ARINC 629 Bus (2)
 - 4) The left AIMS has no input from the right AIMS on any AIMS Intercabinet ARINC 629 Bus.
 - (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 (M003) in Left AIMS
 - b) IOM (M009) in Left AIMS
 - 2) An IOM has an ARINC 629 fault on one of these busses:
 - a) AIMS Intercabinet ARINC 629 Bus (1)
 - b) AIMS Intercabinet ARINC 629 Bus (2)
 - (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) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/STD (M002) 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.
 - (b) 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.
 - (c) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM (M009) 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 - 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.
 - (e) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM (M009) 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, CPM/STD (M002) 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.

————— **END OF TASK** —————

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931. FMCF (Right) No Input from TMCF in Left AIMS - 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 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)
 - 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.
 - (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)
 - (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.
 - 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) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/STD (M002) in Left AIMS Module Reset.

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- 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.
- (b) 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.
- (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 - 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.
- (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, CPM/STD (M002) 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.

————— **END OF TASK** —————

932. **FMCF (Left) No Input from TMCF in Left AIMS - 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/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** —————

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933. FMCF/Nav (Left) No Input from FMCF in Left AIMS - 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/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 —————

934. FMCF/Nav (Right) No Input from TCMF in Left AIMS - 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 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 (M003) in Left AIMS
 - b) IOM (M009) in Left AIMS
 - 2) An IOM has an ARINC 629 fault on one of these busses:
 - a) AIMS Intercabinet ARINC 629 Bus (1)
 - b) AIMS Intercabinet ARINC 629 Bus (2)
 - 3) The right AIMS has no input from the left AIMS on one of these busses:
 - a) AIMS Intercabinet ARINC 629 Bus (1)
 - b) AIMS Intercabinet ARINC 629 Bus (2)
 - 4) The right AIMS has no input from the left AIMS on any AIMS Intercabinet ARINC 629 Bus.
 - (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 (M008) in Right AIMS
 - b) IOM (M009) in Right AIMS
 - 2) An IOM has an ARINC 629 fault on one of these busses:
 - a) AIMS Intercabinet ARINC 629 Bus (1)

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- b) AIMS Intercabinet ARINC 629 Bus (2)
- (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.
 - 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) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/STD (M002) 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.
 - (b) 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.
 - (c) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, IOM (M009) 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 - 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.
 - (e) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, IOM (M009) 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, CPM/STD (M002) 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.

————— **END OF TASK** —————

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935. FMCF/Nav (Left) No Input from FMCF in Right AIMS - 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 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)
 - 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.
 - (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)
 - (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.
 - 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) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/STD (M002) in Right AIMS Module Reset.

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- 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.
- (b) 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.
- (c) 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.
- (d) 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.
- (e) 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.

————— **END OF TASK** —————

936. FMCF/Nav (Right) No Input from FMCF in Right AIMS - 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 AIMS module reset:
 - (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/STD (M002) 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) 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.

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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 —————

937. FMCF Left (Right) Has Invalid Data - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 22-12000, 22-12010.

B. Initial Evaluation

NOTE: This condition occurs when the autopilot or flight director is engaged in the LNAV or VNAV mode and when the Autopilot Flight Director Computers detect that the LNAV or VNAV command data is invalid. This condition occurs in the LNAV or VNAV mode due to operational procedures. No maintenance action is required.

————— END OF TASK —————

939. FMC Data Missing - Fault Isolation

A. Fault Isolation Procedure

- (1) If the FMC master select switch is set to FMC-L, do the following steps:
- (a) Do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/STD (M002) 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.
 - (b) 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.
- (2) If the FMC master select switch is set to FMC-R, do the following steps:
- (a) Do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/STD (M002) 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.
 - (b) 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.

————— END OF TASK —————

940. PFD Cmd Speed Display Disagrees With IAS/MACH Window On MCP - Fault Isolation

A. Fault Isolation Procedure

- (1) Enter the cruise altitude on the VNAV page again.
- (2) Push the EXEC key.
- (3) Set the IAS/MACH speed on the mode control panel.

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- (4) Do this AIMS module reset:
 - (a) For the Captain's PFD, do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/STD (M002) in Left AIMS Module Reset.
 - (b) For the First Officer's PFD, do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/STD (M002) 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.
- (5) Do this ground test on the MAT: 22 Autopilot Flight Director System - SYSTEM TEST, Mode Control Panel.
- (6) Do this AIMS module reset:
 - (a) For the Captain's PFD, do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG1 (M010) in Left AIMS Module Reset.
 - (b) For the First Officer's PFD, do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG1 (M010) 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.
- (7) 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.

————— END OF TASK —————

941. PFD Cmd Speed Display Disagrees With FMC Computed Speed On MCP - Fault Isolation

A. Fault Isolation Procedure

- (1) Enter the cruise altitude on the VNAV page again.
- (2) Push the EXEC key.
- (3) Set the IAS/MACH speed on the mode control panel.
- (4) Do this AIMS module reset:
 - (a) For the Captain's PFD, do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/STD (M002) in Left AIMS Module Reset.
 - (b) For the First Officer's PFD, do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/STD (M002) 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.
- (5) Do this ground test on the MAT: 22 Autopilot Flight Director System - SYSTEM TEST, Mode Control Panel.
- (6) Do this AIMS module reset:
 - (a) For the Captain's PFD, do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG1 (M010) in Left AIMS Module Reset.

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- (b) For the First Officer's PFD, do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG1 (M010) 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.
- (7) For the Captain's PFD, 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.
- (8) For the First Officer's PFD, 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.

— END OF TASK —

942. PFD Cmd Speed Display Blank - Fault Isolation

A. Fault Isolation Procedure

- (1) Enter the cruise altitude on the VNAV page again.
- (2) Push the EXEC key.
- (3) Do this AIMS module reset:
 - (a) For the Captain's PFD, do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/STD (M002) in Left AIMS Module Reset.
 - (b) For the First Officer's PFD, do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/STD (M002) 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 AIMS module reset:
 - (a) For the Captain's PFD, do this ground test on the MAT: 31 AIMS - Left AIMS, System Test, CPM/GG1 (M010) in Left AIMS Module Reset.
 - (b) For the First Officer's PFD, do this ground test on the MAT: 31 AIMS - Right AIMS, System Test, CPM/GG1 (M010) 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.
- (5) For the Captain's PFD, replace the CPM/GG1 (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.
- (6) For the First Officer's PFD, replace the CPM/GG1 (M010) module in the right AIMS cabinet.

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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.

————— **END OF TASK** —————

943. FMC Zero Fuel Weight Signal Out of Range - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 24-11110, 24-12251.

B. Initial Evaluation

NOTE: This message occurs when you put an incorrect zero fuel weight or airplane gross weight into the control display unit (CDU).

- (1) If you put the correct zero fuel weight and airplane gross weight into the CDU, then do these steps:
- (a) Look at the Extended Maintenance, Existing Faults display on the MAT.
 - (b) If a maintenance message related to the flight management computer shows in Existing Faults, then do these steps:
 - 1) Find the message in the applicable FIM Maintenance Message Index.
 - 2) Do the specified fault isolation task.

————— **END OF TASK** —————

944. PFD Does Not Show V1 Indication During Takeoff - Fault Isolation

A. Initial Evaluation

- (1) Make sure the correct V1 data is in the CDU.
- (a) If the correct V1 data is not in the CDU, then put the correct V1 data in the CDU.
 - (b) If the correct V1 data is in the CDU, then continue.
- (2) Do this check for related maintenance messages:
- (a) Look at the Extended Maintenance, Existing Faults display on the MAT for maintenance messages related to one or more of these systems:
 - 1) 31 AIMS - Display System
 - 2) 31 Warning Electronic System
 - 3) 34 Ground Proximity Warning System
 - 4) 34 AIMS - Flight Management Computing System
 - (b) If you find one or more of the specified maintenance messages, then do these steps:
 - 1) Find the message in the applicable FIM Maintenance Message Index.
 - 2) Do the specified fault isolation task.
 - (c) If you do not find one of the specified maintenance messages, then continue.
- (3) Do this ground test on the MAT: 34 Ground Proximity Warning System, System Test, Ground Proximity Warning System.
- (a) If a maintenance message shows on the ground test display, then do these steps:
 - 1) Find the message in the applicable FIM Maintenance Message Index.

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- 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 —————

945. EICAS Message NAV UNABLE RNP - Fault Isolation

A. Initial Evaluation

NOTE: This message shows when the actual navigation performance is greater than the required navigation performance. No maintenance action is necessary.

B. Possible causes:

- (1) This message is not a failure. This is a response to a navigation processing when the Actual Navigation Performance (ANP) exceeds the Required Navigation Performance (RNP). The ANP is an estimated real-time measure of how well the aircraft's navigation system operates. RNP is a statement of the navigation performance accuracy necessary for operation within a defined airspace. The RNP is stored in the FMC but the flight crew can override the stored RNP manually using the CDU. Message "UNABLE RNP" is displayed on EICAS if the ANP value is greater than the RNP value. The message may result from intermittent errors in the MMR. This message may also result from a manually entered RNP value lower than the ANP value.

C. Fault Isolation Procedure

- (1) Do these steps to clear the MMR intermittent errors:
 - (a) Open and close these circuit breakers:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	9	C34427	MMR C
E	9	C34426	MMR L
E	22	C34425	MMR R

————— END OF TASK —————

946. Incorrect Display of TO-1 and TO-2 Header on the CDU THRUST LIM Page - Fault Isolation

A. Description

- (1) The THRUST LIM page on the CDU shows an incorrect takeoff derate value of 0% below the TO-1 and TO-2 headers.

B. Initial Evaluation

- (1) In case flight crew complain the display of 0% takeoff derate value, re-enter the correct takeoff derate values on the AIRLINE POLICY page.

C. Fault Isolation Procedure

- (1) Do these steps to re-enter the correct takeoff derate values on the AIRLINE POLICY page (even if the correct values are currently being displayed):
 - (a) Push the INIT REF key on the CDU.
 - (b) Select LSK 6R.
 - (c) Select LSK 1L.
 - (d) Select LSK 2L and record the TO-1 and TO-2 values.

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- (e) Re-enter the TO-1 (+/- XX) / TO-2 (+/- XX) values on the CDU scratch pad.
- (2) Make sure the correct TO-1 and TO-2 values on the THRUST LIM page.
- (3) If the correct derate percent values are restored on the THRUST LIM page, request the Flight Crew to verify selection of TO-1 and TO-2 indeed changed the thrust rating value by the correct amount.

————— END OF TASK —————

947. CDU Fix Info Page Showed Data as TRUE Instead of MAG - Fault Isolation

A. Description

- (1) An intermittent failure of the Heading Reference Switch caused TRUE and MAG information to be displayed at the same time.
- (2) The Heading Reference Switch is a part of the Captain's Display Switch Module, M31001.

B. Possible Cause

- (1) Heading Reference Switch failure.

C. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
H	1	C33405	CAPT INST & PNL LTS

D. Related Data

- (1) SSM 33-13-11
- (2) WDM 33-13-11

E. Fault Isolation Procedure

- (1) Make sure that this circuit breaker is open and has safety tag:
(SSM 33-13-11 or WDM 33-13-11)

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
H	1	C33405	CAPT INST & PNL LTS

- (2) Do these steps to remove the Captain's Display Switch Module, M31001:
NOTE: Do not discard the module. Refer to the vendor instructions for possible shop repairs.
 - (a) Loosen the fasteners and pull out the Captain's Display Switch Module.
NOTE: Pull the module out straight to make sure you do not bend the pins to the connector.
 - (b) Disconnect the connectors and remove the Captain's Display Switch Module.
- (3) Install a new Captain's Display Switch Module.
- (4) Make sure that this circuit breaker is closed:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
H	1	C33405	CAPT INST & PNL LTS

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- (5) If the CDU Fix Info page shows data as MAG (or is the message does not show), you corrected the fault.

————— **END OF TASK** —————

948. EICAS Caution Message FMC RUNWAY DISAGREE - Fault Isolation

A. Initial Evaluation

- (1) This EICAS caution message FMC RUNWAY DISAGREE shows when the pilot initiates take off (takeoff thrust set) on a runway that does not agree with the FMC origin runway entered in the active route. No maintenance action is necessary.

————— **END OF TASK** —————

949. EICAS Message VNAV STEP CLIMB - Fault Isolation

A. Initial Evaluation

- (1) The EICAS advisory message VNAV STEP CLIMB shows when the airplane passes the FMC calculated step climb point for 5 minutes without initiating a climb. No maintenance action is necessary.

————— **END OF TASK** —————

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801. EEC Software Disagree - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 34-71060.

B. Description

- (1) The Thrust Management Function (TMF) of AIMS detects that the left and right EEC are operating with incompatible software, or the EEC data entry plug is incompatible with the engine type.

NOTE: This message can occur if an engine with a different thrust rating is installed on the airplane.

C. Fault Isolation Procedure

- (1) Do a check of the EEC rating configuration on the MAT:
 - (a) Set both L and R EEC MAINT ENG POWER switches on the overhead maintenance panel, P61, to the TEST position.
 - (b) After 30 seconds, look at the MAT EEC configuration data page for rating data. To look at the configuration data, do this task: How to Find the Hardware or Software Configuration of a System, AMM TASK 45-10-00-750-803.
 - (c) Compare the rating between the two engines and the engine records.
NOTE: The ratings must be the same between left and right engines.
- (2) Compare the software between the left and right EEC to make sure they are compatible.
 - (a) If the software is not compatible, install the correct software to the EEC. To install the software, (AMM TASK 73-21-15-000-802-H01).
 - (b) Do the repair confirmation procedure at the end of this task.
- (3) Examine the data entry plug to make sure it is compatible with the EEC software and engine thrust rating.
 - (a) If the data entry plug is not compatible with the EEC software or the engine thrust rating, replace the data entry plug with a compatible plug. These are the tasks:
 - Engine Rating Plug Removal, AMM TASK 73-21-19-000-801-H01
 - Engine Rating Plug Installation, AMM TASK 73-21-19-400-801-H01
 - (b) Do the repair confirmation procedure at the end of this task.

D. Repair Confirmation

- (1) Set the EEC MAINT L ENG POWER and EEC MAINT R ENG POWER switch on the overhead panel, P61, to the TEST position. If there is a fault, then the MAT will show a maintenance message in 90 seconds or less.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message, or the message does not show, do these steps:
 - 1) Set the applicable EEC MAINT L(R) ENG POWER switch to the NORM position.
 - 2) No more action is necessary, you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, do these steps:
 - 1) Set the applicable EEC MAINT L(R) ENG POWER switch to the NORM position.
 - 2) Continue with this fault isolation procedure at the subsequent step.

————— END OF TASK —————

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801. Procedure To Be Determined - Fault Isolation

A. 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

- (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. EICAS Message Latched by AIMS - Fault Isolation

A. Initial Evaluation

NOTE: AIMS can latch this EICAS message when it occurs. After you find the cause of the fault and correct it, it is possible that the EICAS message will continue to show.

- (1) Do not erase the EICAS message until you complete the task for the correlated maintenance message.
- (2) When this EICAS message occurs, do these steps:
 - (a) Make sure that you have the correlated maintenance message number that shows on the MAT with the EICAS message.
 - (b) Go back to the FIM Fault Code Index and find the fault code for the EICAS message.
 - (c) Find the correlated maintenance message number and the task number to the right of the fault code.
 - (d) Go to the specified task in the FIM and do the steps in the task.
 - (e) After you do the actions in the task to correct the fault, do these steps:
 - 1) Look at the MAT for the EICAS message.
 - 2) If the MAT shows LATCHED for the EICAS message, then you must erase it from the EICAS status display. To erase it, do this task: Erasing a EICAS Status Message Latched by AIMS, AMM TASK 31-61-00-800-802.

————— **END OF TASK** —————

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