

CHAPTER

32

LANDING GEAR



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

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1 thru 5	SEP 05/2017		127	Sep 05/2015		114	Sep 05/2016	
6	BLANK		128	Sep 05/2015		115	Sep 05/2016	
32-HOW TO USE THE FIM			129	Sep 05/2015		116	Sep 05/2016	
1	Jan 05/2013		130	Sep 05/2015		117	Sep 05/2016	
2	Jan 05/2013		131	Sep 05/2015		118	Sep 05/2016	
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101	Jan 05/2013		137	Sep 05/2015		124	Sep 05/2016	
102	May 05/2015		138	Sep 05/2015		32-06 TASKS		
103	May 05/2015		139	Sep 05/2015		201	Jan 05/2013	
104	May 05/2015		140	Sep 05/2015		202	Jan 05/2013	
105	May 05/2015		141	Sep 05/2015		203	Sep 05/2016	
106	May 05/2015		142	Sep 05/2015		204	Sep 05/2016	
107	May 05/2015		143	Sep 05/2015		205	Jan 05/2013	
108	May 05/2015		144	Sep 05/2015		206	BLANK	
109	May 05/2015		145	Sep 05/2015		32-07 TASKS		
110	May 05/2015		146	Sep 05/2015		201	Jan 05/2013	
111	May 05/2015		147	Sep 05/2015		202	Jan 05/2013	
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115	May 05/2015		102	Sep 05/2016		206	Jan 05/2013	
116	May 05/2015		103	Sep 05/2016		207	Jan 05/2013	
117	May 05/2015		104	Sep 05/2016		208	Jan 05/2013	
118	May 05/2015		105	Sep 05/2016		209	Jan 05/2013	
119	May 05/2015		106	Sep 05/2016		210	Sep 05/2013	
120	May 05/2015		107	Sep 05/2016		211	Sep 05/2013	
121	May 05/2015		108	Sep 05/2016		212	Sep 05/2013	
122	Sep 05/2015		109	Sep 05/2016		213	Sep 05/2013	
123	Sep 05/2015		110	Sep 05/2016		214	Sep 05/2013	
124	Sep 05/2015		111	Sep 05/2016		215	Sep 05/2013	
125	Sep 05/2015		112	Sep 05/2016		216	Sep 05/2016	
126	Sep 05/2015		113	Sep 05/2016		217	Sep 05/2016	

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218	Sep 05/2013		254	Sep 05/2016		O 290	Sep 05/2017	
219	Sep 05/2013		255	Sep 05/2016		O 291	Sep 05/2017	
220	Sep 05/2016		256	Sep 05/2016		O 292	Sep 05/2017	
221	Sep 05/2016		257	Sep 05/2016		O 293	Sep 05/2017	
222	Sep 05/2016		258	Sep 05/2016		O 294	Sep 05/2017	
223	Sep 05/2016		259	Sep 05/2016		O 295	Sep 05/2017	
224	Sep 05/2016		260	Sep 05/2016		O 296	Sep 05/2017	
225	Sep 05/2016		261	Sep 05/2016		O 297	Sep 05/2017	
226	Sep 05/2013		262	Sep 05/2016		O 298	Sep 05/2017	
227	Sep 05/2013		263	Sep 05/2016		O 298.1	Sep 05/2017	
228	Sep 05/2013		264	Sep 05/2016		298.2	Sep 05/2016	
229	Sep 05/2013		265	Sep 05/2016		298.3	Sep 05/2016	
230	Sep 05/2013		266	Sep 05/2016		298.4	Sep 05/2016	
231	Sep 05/2013		267	Sep 05/2016		298.5	Sep 05/2016	
232	Sep 05/2013		268	Sep 05/2016		298.6	Sep 05/2016	
233	Sep 05/2016		269	Sep 05/2016		298.7	Sep 05/2016	
234	Sep 05/2016		270	Sep 05/2016		298.8	Sep 05/2016	
235	Sep 05/2016		271	Sep 05/2016		298.9	Sep 05/2016	
236	Sep 05/2016		272	Sep 05/2016		298.10	Sep 05/2016	
237	Sep 05/2016		273	Sep 05/2016		298.11	Sep 05/2016	
238	Sep 05/2016		274	Sep 05/2016		298.12	Sep 05/2016	
239	Sep 05/2016		275	Sep 05/2016		298.13	Sep 05/2016	
240	Sep 05/2016		276	Sep 05/2016		298.14	Sep 05/2016	
241	Sep 05/2016		277	Sep 05/2016		298.15	Sep 05/2016	
242	Sep 05/2016		278	Sep 05/2016		298.16	Sep 05/2016	
243	Sep 05/2016		R 279	Sep 05/2017		298.17	Sep 05/2016	
244	Sep 05/2016		R 280	Sep 05/2017		298.18	Sep 05/2016	
245	Sep 05/2016		O 281	Sep 05/2017		298.19	Sep 05/2016	
246	Sep 05/2016		R 282	Sep 05/2017		298.20	Sep 05/2016	
247	Sep 05/2016		O 283	Sep 05/2017		298.21	Sep 05/2016	
248	Sep 05/2016		O 284	Sep 05/2017		298.22	Sep 05/2016	
249	Sep 05/2016		O 285	Sep 05/2017		298.23	Sep 05/2016	
250	Sep 05/2016		O 286	Sep 05/2017		298.24	Sep 05/2016	
251	Sep 05/2016		O 287	Sep 05/2017		298.25	Sep 05/2016	
252	Sep 05/2016		O 288	Sep 05/2017		298.26	Sep 05/2016	
253	Sep 05/2016		O 289	Sep 05/2017		298.27	Sep 05/2016	

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298.28	Sep 05/2016		219	Sep 05/2016		201	Jan 05/2013	
298.29	Sep 05/2016		220	Sep 05/2016		202	Jan 05/2013	
298.30	Sep 05/2016		221	Sep 05/2016		32-30 TASKS		
298.31	Sep 05/2016		222	Sep 05/2016		O 201	Sep 05/2017	
298.32	Sep 05/2016		223	Sep 05/2016		O 202	Sep 05/2017	
298.33	Sep 05/2016		224	Sep 05/2016		O 203	Sep 05/2017	
298.34	Sep 05/2016		225	Sep 05/2016		O 204	Sep 05/2017	
298.35	Sep 05/2016		226	Sep 05/2016		O 205	Sep 05/2017	
298.36	Sep 05/2016		227	Sep 05/2016		O 206	Sep 05/2017	
298.37	Sep 05/2016		228	Sep 05/2016		O 207	Sep 05/2017	
298.38	Sep 05/2016		229	Sep 05/2016		O 208	Sep 05/2017	
298.39	Sep 05/2016		230	Sep 05/2016		O 209	Sep 05/2017	
298.40	Sep 05/2016		231	Sep 05/2016		O 210	Sep 05/2017	
298.41	Sep 05/2016		232	Sep 05/2016		O 211	Sep 05/2017	
298.42	Sep 05/2016		233	Sep 05/2016		O 212	Sep 05/2017	
298.43	Sep 05/2016		234	Sep 05/2016		O 213	Sep 05/2017	
298.44	BLANK		235	Sep 05/2016		O 214	Sep 05/2017	
32-09 TASKS			236	Sep 05/2016		O 215	Sep 05/2017	
201	Jan 05/2013		237	Sep 05/2016		O 216	Sep 05/2017	
202	Sep 05/2013		O 238	Sep 05/2017		O 217	Sep 05/2017	
203	Sep 05/2013		O 239	Sep 05/2017		O 218	Sep 05/2017	
204	Jan 05/2013		O 240	Sep 05/2017		O 219	Sep 05/2017	
205	Jan 05/2013		O 241	Sep 05/2017		O 220	Sep 05/2017	
206	Jan 05/2013		O 242	Sep 05/2017		O 221	Sep 05/2017	
207	Jan 05/2013		O 243	Sep 05/2017		O 222	Sep 05/2017	
208	Sep 05/2016		O 244	Sep 05/2017		O 223	Sep 05/2017	
209	Sep 05/2016		O 245	Sep 05/2017		O 224	Sep 05/2017	
210	Sep 05/2016		O 246	Sep 05/2017		O 225	Sep 05/2017	
211	Sep 05/2016		O 247	Sep 05/2017		O 226	Sep 05/2017	
212	Sep 05/2016		O 248	Sep 05/2017		O 227	Sep 05/2017	
213	Sep 05/2016		O 249	Sep 05/2017		O 228	Sep 05/2017	
214	Sep 05/2016		O 250	Sep 05/2017		O 229	Sep 05/2017	
215	Sep 05/2016		A 251	Sep 05/2017		O 230	Sep 05/2017	
216	Sep 05/2016		A 252	BLANK		O 231	Sep 05/2017	
217	Sep 05/2016					O 232	Sep 05/2017	
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O 234	Sep 05/2017		220	Sep 05/2016		O 205	Sep 05/2017	
O 235	Sep 05/2017		221	Sep 05/2016		O 206	Sep 05/2017	
O 236	Sep 05/2017		222	Sep 05/2016		O 207	Sep 05/2017	
O 237	Sep 05/2017		223	Sep 05/2016		O 208	Sep 05/2017	
O 238	Sep 05/2017		224	Sep 05/2016		O 209	Sep 05/2017	
O 239	Sep 05/2017		225	Sep 05/2016		O 210	Sep 05/2017	
O 240	Sep 05/2017		226	Sep 05/2016		32-45 TASKS		
32-41 TASKS			227	Sep 05/2016		201	May 05/2015	
201	Sep 05/2016		228	Sep 05/2016		202	BLANK	
202	Sep 05/2016		229	Sep 05/2016		32-46 TASKS		
203	Sep 05/2016		230	Sep 05/2016		201	Jan 05/2013	
204	Jan 05/2013		231	Sep 05/2016		202	Sep 05/2016	
205	Jan 05/2013		232	Sep 05/2016		203	Sep 05/2016	
R 206	Sep 05/2017		233	Sep 05/2016		204	Sep 05/2016	
207	Sep 05/2015		234	Sep 05/2016		205	May 05/2017	
208	Jan 05/2013		235	Sep 05/2016		206	May 05/2017	
32-42 TASKS			236	Sep 05/2016		207	May 05/2017	
201	Jan 05/2014		237	Sep 05/2016		208	May 05/2017	
202	Jan 05/2013		238	Sep 05/2016		209	May 05/2017	
203	Sep 05/2016		239	Sep 05/2016		210	May 05/2017	
204	Sep 05/2016		240	Sep 05/2016		211	May 05/2017	
205	Jan 05/2015		241	Sep 05/2016		212	May 05/2017	
206	Sep 05/2016		242	Sep 05/2016		213	May 05/2017	
207	Sep 05/2016		243	Sep 05/2016		214	May 05/2017	
208	Sep 05/2016		244	Sep 05/2016		215	May 05/2017	
209	Jan 05/2013		245	Sep 05/2016		216	May 05/2017	
210	Jan 05/2013		246	Sep 05/2016		217	May 05/2017	
211	Jan 05/2013		247	Sep 05/2016		218	BLANK	
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R 213	Sep 05/2017		249	Sep 05/2016		201	Jan 05/2013	
O 214	Sep 05/2017		250	BLANK		R 202	Sep 05/2017	
215	Sep 05/2016		32-44 TASKS			R 203	Sep 05/2017	
216	Sep 05/2016		O 201	Sep 05/2017		R 204	Sep 05/2017	
217	Sep 05/2016		O 202	Sep 05/2017		O 205	Sep 05/2017	
218	Sep 05/2016		O 203	Sep 05/2017		R 206	Sep 05/2017	
219	Sep 05/2016		O 204	Sep 05/2017		R 207	Sep 05/2017	

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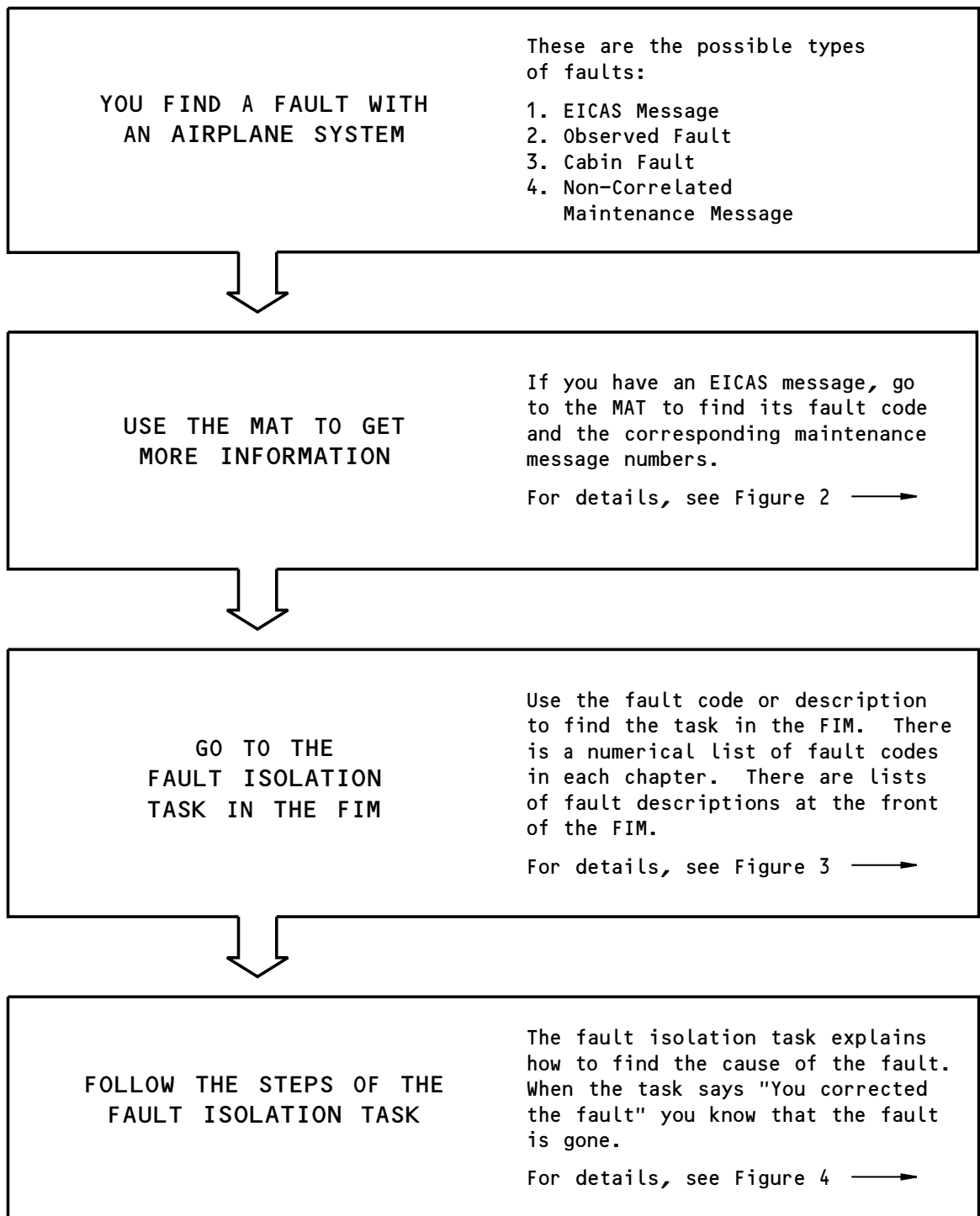
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32-49 TASKS (cont)			32-62 TASKS (cont)			32-62 TASKS (cont)		
R 208	Sep 05/2017		R 203	Sep 05/2017		A 239	Sep 05/2017	
32-51 TASKS			O 204	Sep 05/2017		A 240	BLANK	
201	Jan 05/2013		O 205	Sep 05/2017		32-71 TASKS		
202	Sep 05/2014		O 206	Sep 05/2017		201	Jan 05/2013	
32-53 TASKS			O 207	Sep 05/2017		202	Jan 05/2013	
201	Jan 05/2013		R 208	Sep 05/2017		203	Sep 05/2016	
202	Jan 05/2013		R 209	Sep 05/2017		204	Sep 05/2016	
203	Jan 05/2013		O 210	Sep 05/2017		205	Sep 05/2016	
204	Jan 05/2013		O 211	Sep 05/2017		206	Sep 05/2016	
205	Jan 05/2017		O 212	Sep 05/2017		207	Sep 05/2016	
206	Jan 05/2017		O 213	Sep 05/2017		208	Sep 05/2016	
207	Jan 05/2017		O 214	Sep 05/2017		209	Sep 05/2016	
208	Jan 05/2017		O 215	Sep 05/2017		210	Sep 05/2016	
209	Jan 05/2017		R 216	Sep 05/2017		211	Sep 05/2016	
210	Jan 05/2017		R 217	Sep 05/2017		212	BLANK	
211	Jan 05/2017		R 218	Sep 05/2017		32-73 TASKS		
212	Jan 05/2017		R 219	Sep 05/2017		201	Jan 05/2013	
213	Jan 05/2017		R 220	Sep 05/2017		202	Jan 05/2013	
214	Jan 05/2017		R 221	Sep 05/2017		203	Jan 05/2013	
215	Jan 05/2017		R 222	Sep 05/2017		204	May 05/2013	
216	Jan 05/2017		O 223	Sep 05/2017		205	Sep 05/2016	
217	Jan 05/2017		O 224	Sep 05/2017		206	Sep 05/2016	
218	Jan 05/2017		O 225	Sep 05/2017		207	Sep 05/2016	
219	Jan 05/2017		O 226	Sep 05/2017		208	Sep 05/2016	
220	Jan 05/2017		O 227	Sep 05/2017		209	Sep 05/2016	
221	Jan 05/2017		O 228	Sep 05/2017		210	Sep 05/2016	
222	Jan 05/2017		O 229	Sep 05/2017		211	Sep 05/2016	
223	Jan 05/2017		O 230	Sep 05/2017		212	BLANK	
224	Jan 05/2017		O 231	Sep 05/2017		32-74 TASKS		
225	Jan 05/2017		O 232	Sep 05/2017		201	Sep 05/2016	
226	Jan 05/2017		O 233	Sep 05/2017		202	Sep 05/2016	
227	Jan 05/2017		O 234	Sep 05/2017		203	Sep 05/2016	
228	BLANK		O 235	Sep 05/2017		204	Sep 05/2016	
32-62 TASKS			O 236	Sep 05/2017		32-98 TASKS		
R 201	Sep 05/2017		O 237	Sep 05/2017		201	Sep 05/2015	
R 202	Sep 05/2017		O 238	Sep 05/2017		202	Sep 05/2015	

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E84424 S0000132469_V1

Basic Fault Isolation Process
Figure 1

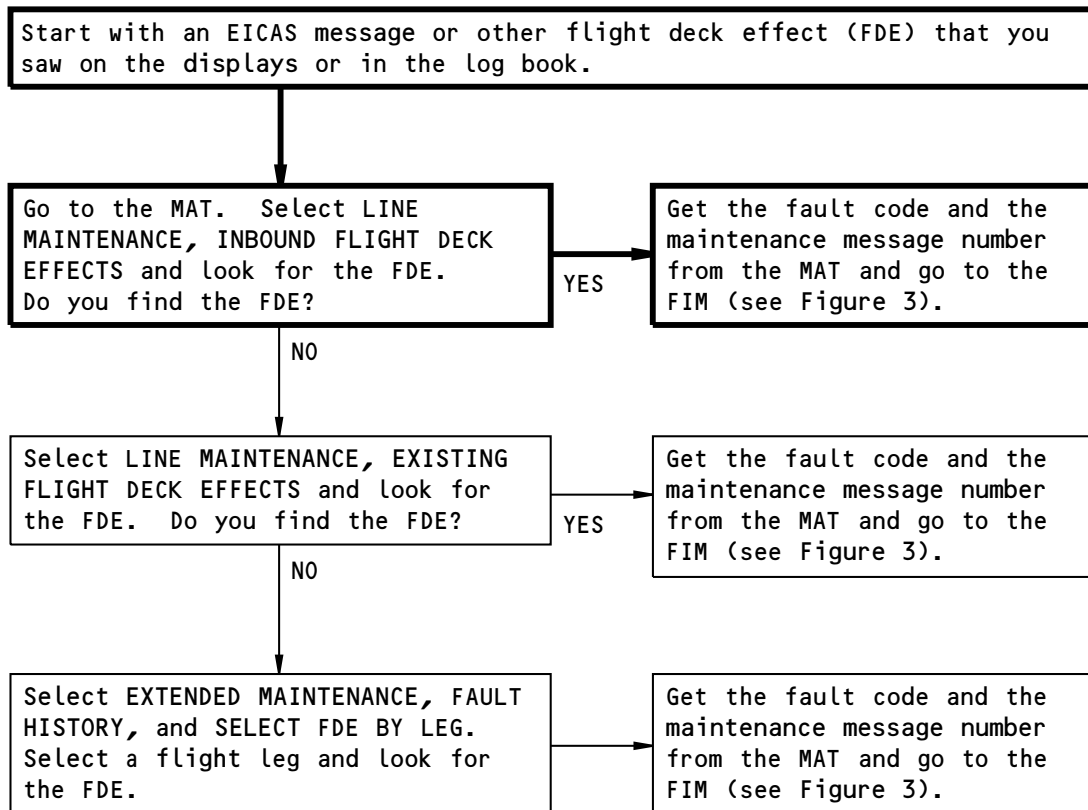
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NOTE: The bold lines show the most common path.

E84425 S0000132475_V1

Getting Fault Information from the MAT
Figure 2

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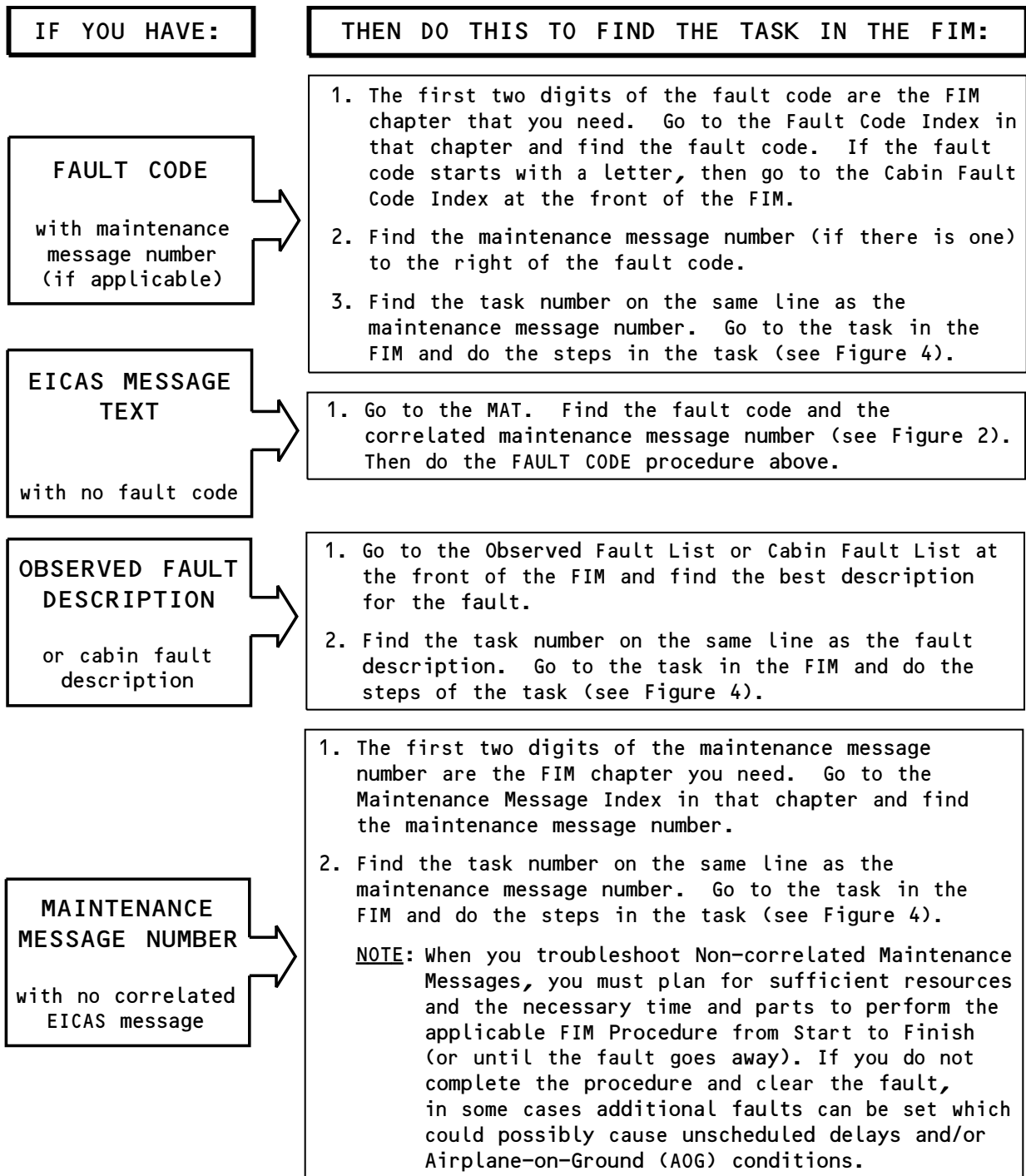
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E84427 S0000132476_V2

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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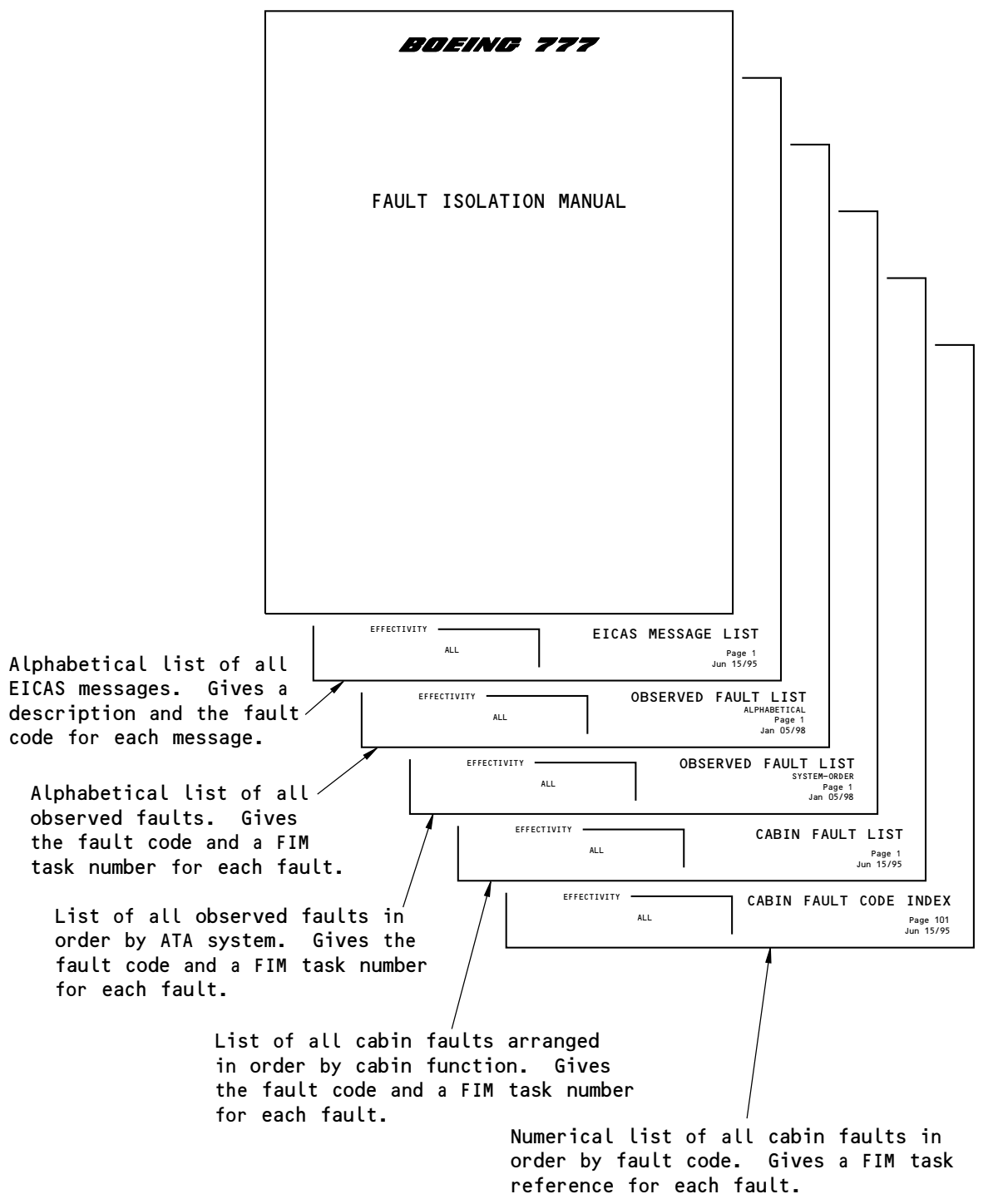
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F39750 S0000132478_V1

Subjects at Front of FIM
Figure 5

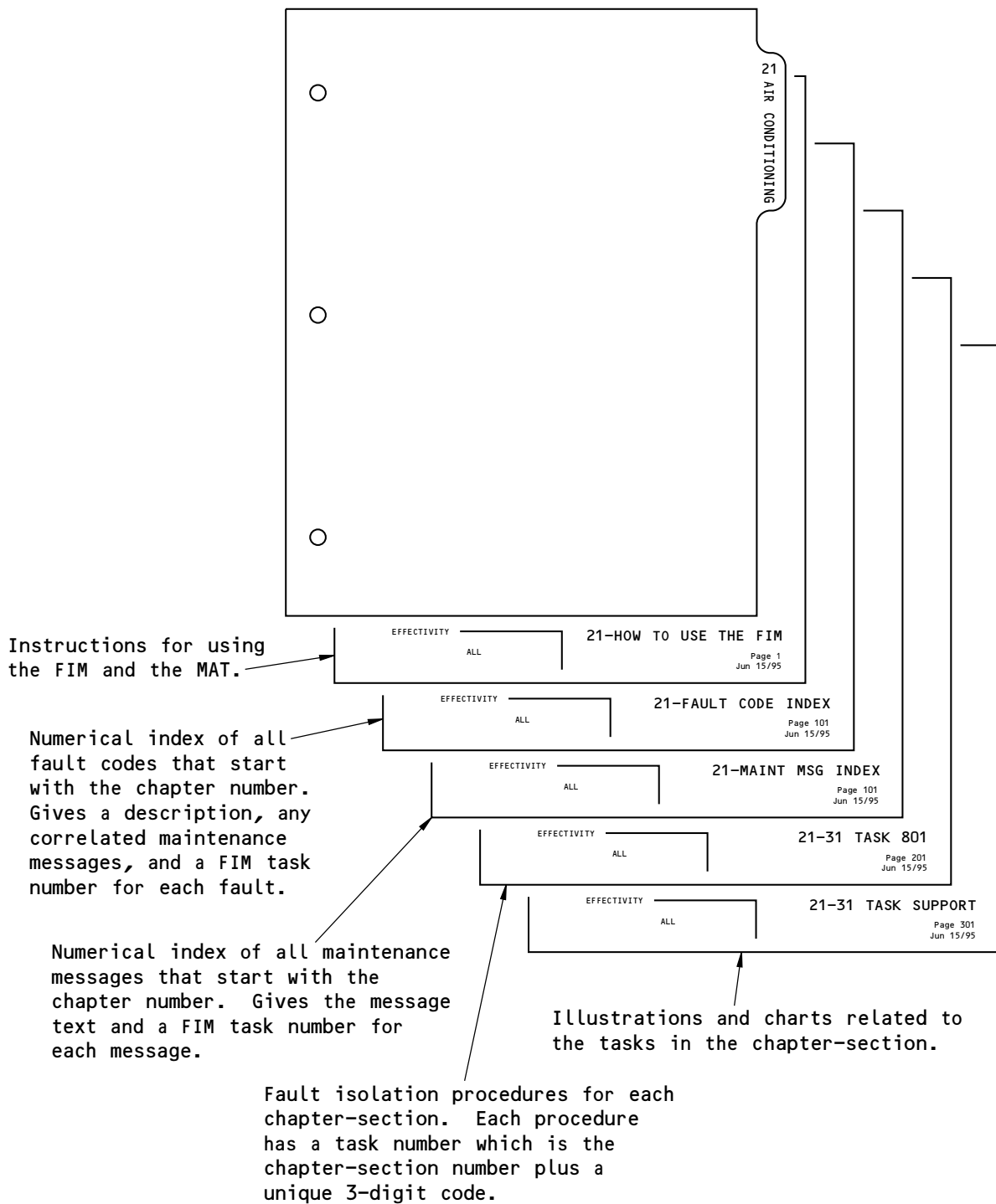
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F39837 S0000132479_V1

Subjects in Each FIM Chapter
Figure 6

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
320 001 41	AIR/GROUND L (EICAS STATUS)	23-81004	23-91 TASK 804
		23-81006	23-91 TASK 806
		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
		24-18801	24-09 TASK 806
		24-78841	24-08 TASK 860
		24-78861	24-08 TASK 861
		31-14051	31-09 TASK 821
		31-14052	31-09 TASK 822
		31-14055	31-09 TASK 825
		31-14057	31-09 TASK 827
		31-17438	31-09 TASK 836
		31-17472	31-10 TASK 859
		31-17640	31-10 TASK 815
		31-17701	31-10 TASK 863
		31-17937	31-07 TASK 827
		31-17939	31-07 TASK 829
		31-18801	31-08 TASK 810
		31-18803	31-08 TASK 812
		31-18841	31-08 TASK 814
		31-18863	31-08 TASK 816
		31-54013	31-43 TASK 868
		31-54014	31-43 TASK 869
		31-54121	31-41 TASK 838
		31-54122	31-41 TASK 839
		31-58013	31-43 TASK 872
		31-58014	31-43 TASK 873
		31-58121	31-41 TASK 856
		31-58122	31-41 TASK 857
		31-69401	31-42 TASK 825
		31-69402	31-42 TASK 825
		31-69491	31-42 TASK 851

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
320 001 41	AIR/GROUND L (EICAS STATUS)	(continued)	
		31-69492	31-42 TASK 851
		31-69601	31-42 TASK 857
		31-69602	31-42 TASK 857
		31-69691	31-42 TASK 878
		31-69692	31-42 TASK 878
		32-21001	32-09 TASK 808
		32-21101	32-09 TASK 801
		32-22001	32-09 TASK 809
		32-22011	32-09 TASK 811
		32-22021	32-09 TASK 840
		32-22101	32-09 TASK 809
		32-22111	32-09 TASK 805
		32-22121	32-09 TASK 840
		32-23102	32-09 TASK 844
		32-23112	32-09 TASK 845
		32-23122	32-09 TASK 846
		32-28801	32-09 TASK 821
		32-28891	32-09 TASK 823
		NONE	31-09 TASK 838
320 001 42	AIR/GROUND R (EICAS STATUS)	21-16205	21-25 TASK 823
		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
		24-12056	24-32 TASK 820
		24-12057	24-08 TASK 836
		24-12122	24-08 TASK 835
		24-12800	24-08 TASK 805
		24-12801	24-08 TASK 805
		24-13802	24-08 TASK 837
		24-13816	24-32 TASK 831
		24-13819	24-08 TASK 838
		24-13840	24-08 TASK 806

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
320 001 42	AIR/GROUND R (EICAS STATUS)	(continued)	
		24-13841	24-08 TASK 806
		24-18801	24-09 TASK 806
		24-18802	24-09 TASK 807
		24-18803	24-09 TASK 808
		24-78841	24-08 TASK 860
		24-78842	24-08 TASK 862
		24-78843	24-08 TASK 864
		24-78861	24-08 TASK 861
		24-78862	24-08 TASK 863
		24-78863	24-08 TASK 865
		31-14053	31-09 TASK 823
		31-14054	31-09 TASK 824
		31-14056	31-09 TASK 826
		31-14058	31-09 TASK 827
		31-17437	31-09 TASK 835
		31-17473	31-10 TASK 860
		31-17475	31-10 TASK 862
		31-17501	31-10 TASK 870
		31-17639	31-10 TASK 814
		31-17669	31-10 TASK 866
		31-17671	31-10 TASK 868
		31-17702	31-10 TASK 864
		31-17938	31-07 TASK 828
		31-17940	31-07 TASK 830
		31-18802	31-08 TASK 811
		31-18804	31-08 TASK 813
		31-18842	31-08 TASK 814
		31-18864	31-08 TASK 817
		31-54013	31-43 TASK 868
		31-54014	31-43 TASK 869
		31-54121	31-41 TASK 838
		31-54122	31-41 TASK 839
		31-58013	31-43 TASK 872
		31-58014	31-43 TASK 873
		31-58121	31-41 TASK 856

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
320 001 42	AIR/GROUND R (EICAS STATUS)	(continued)	
		31-58122	31-41 TASK 857
		31-69401	31-42 TASK 825
		31-69402	31-42 TASK 825
		31-69493	31-42 TASK 851
		31-69494	31-42 TASK 851
		31-69601	31-42 TASK 857
		31-69602	31-42 TASK 857
		31-69693	31-42 TASK 878
		31-69694	31-42 TASK 878
		32-21000	32-09 TASK 807
		32-21100	32-09 TASK 802
		32-22000	32-09 TASK 809
		32-22010	32-09 TASK 810
		32-22020	32-09 TASK 840
		32-22100	32-09 TASK 809
		32-22110	32-09 TASK 812
		32-22120	32-09 TASK 840
		32-23001	32-09 TASK 841
		32-23011	32-09 TASK 842
		32-23021	32-09 TASK 843
		32-23201	32-09 TASK 847
		32-23210	32-09 TASK 818
		32-23211	32-09 TASK 848
		32-23221	32-09 TASK 849
		32-28802	32-09 TASK 822
		32-28892	32-09 TASK 824
		NONE	31-09 TASK 841
320 011 01	PSEU 1 (EICAS STATUS)	23-81004	23-91 TASK 804
		23-81006	23-91 TASK 806
		24-11787	24-32 TASK 817
		31-54013	31-43 TASK 868
		31-54121	31-41 TASK 838
		31-58013	31-43 TASK 872
		31-58121	31-41 TASK 856
		31-69401	31-42 TASK 825

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
320 011 01	PSEU 1 (EICAS STATUS)	(continued)	
		31-69443	31-42 TASK 841
		31-69601	31-42 TASK 857
		31-69643	31-42 TASK 871
		32-71061	32-07 TASK 827
		32-71062	32-07 TASK 828
		32-71071	32-07 TASK 827
		32-71072	32-07 TASK 828
		32-71091	32-07 TASK 815
		32-71092	32-07 TASK 815
		32-71121	32-07 TASK 807
		32-71122	32-07 TASK 807
		32-71131	32-07 TASK 811
		32-71140	32-07 TASK 817
		32-71150	32-07 TASK 815
		32-71242	32-07 TASK 815
		32-71252	32-07 TASK 818
		32-71262	32-07 TASK 813
		32-71280	32-07 TASK 809
		32-71282	32-07 TASK 810
		32-71286	32-07 TASK 928
		32-71287	32-07 TASK 928
		32-71291	32-07 TASK 820
		32-71292	32-07 TASK 820
		32-71293	32-07 TASK 821
		32-71294	32-07 TASK 821
		32-71681	32-07 TASK 881
		32-71682	32-07 TASK 882
		32-72091	32-07 TASK 889
		32-72092	32-07 TASK 890
		32-72111	32-07 TASK 889
		32-72112	32-07 TASK 890
		32-72121	32-07 TASK 889
		32-72122	32-07 TASK 890
		32-72171	32-07 TASK 842
		32-72172	32-07 TASK 843

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
320 011 01	PSEU 1 (EICAS STATUS)	(continued)	
		32-73461	32-07 TASK 910
		32-73462	32-07 TASK 911
		32-73481	32-07 TASK 914
		32-73482	32-07 TASK 915
		32-73501	32-07 TASK 914
		32-73502	32-07 TASK 915
		32-78841	32-06 TASK 801
		32-78842	32-06 TASK 802
		32-78863	32-06 TASK 803
320 011 02	PSEU 2 (EICAS STATUS)	32-78864	32-06 TASK 804
		23-81004	23-91 TASK 804
		23-81006	23-91 TASK 806
		24-12056	24-32 TASK 820
		31-54013	31-43 TASK 868
		31-54121	31-41 TASK 838
		31-58013	31-43 TASK 872
		31-58121	31-41 TASK 856
		31-69401	31-42 TASK 825
		31-69445	31-42 TASK 841
		31-69601	31-42 TASK 857
		31-69645	31-42 TASK 871
		32-71061	32-07 TASK 827
		32-71062	32-07 TASK 828
		32-71071	32-07 TASK 827
		32-71072	32-07 TASK 828
		32-71282	32-07 TASK 810
		32-71288	32-07 TASK 822
		32-71289	32-07 TASK 822
		32-71295	32-07 TASK 822
		32-71296	32-07 TASK 822
		32-71297	32-07 TASK 823
		32-71298	32-07 TASK 823
		32-72091	32-07 TASK 889
		32-72092	32-07 TASK 890
		32-72111	32-07 TASK 889

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
320 011 02	PSEU 2 (EICAS STATUS)	(continued)	
		32-72112	32-07 TASK 890
		32-72121	32-07 TASK 889
		32-72122	32-07 TASK 890
		32-72131	32-07 TASK 835
		32-72132	32-07 TASK 835
		32-72182	32-07 TASK 831
		32-72192	32-07 TASK 844
		32-72202	32-07 TASK 835
		32-72271	32-07 TASK 835
		32-72281	32-07 TASK 845
		32-72291	32-07 TASK 829
		32-72531	32-07 TASK 894
		32-72532	32-07 TASK 895
		32-73471	32-07 TASK 912
		32-73472	32-07 TASK 913
		32-73491	32-07 TASK 912
		32-73492	32-07 TASK 913
		32-73511	32-07 TASK 912
		32-73512	32-07 TASK 913
320 012 01	PSEU 1 CHANNEL (EICAS STATUS)	32-78842	32-06 TASK 802
		32-78864	32-06 TASK 804
		23-81004	23-91 TASK 804
		23-81006	23-91 TASK 806
		24-11787	24-32 TASK 817
		31-54013	31-43 TASK 868
		31-54121	31-41 TASK 838
		31-58013	31-43 TASK 872
		31-58121	31-41 TASK 856
		31-69401	31-42 TASK 825
		31-69443	31-42 TASK 841
		31-69601	31-42 TASK 857
		31-69643	31-42 TASK 871
		32-71061	32-07 TASK 827
		32-71062	32-07 TASK 828
		32-71071	32-07 TASK 827

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
320 012 01	PSEU 1 CHANNEL (EICAS STATUS)	(continued)	
		32-71072	32-07 TASK 828
		32-71091	32-07 TASK 815
		32-71092	32-07 TASK 815
		32-71121	32-07 TASK 807
		32-71122	32-07 TASK 807
		32-71131	32-07 TASK 811
		32-71140	32-07 TASK 817
		32-71150	32-07 TASK 815
		32-71242	32-07 TASK 815
		32-71252	32-07 TASK 818
		32-71262	32-07 TASK 813
		32-71681	32-07 TASK 881
		32-71682	32-07 TASK 882
		32-72091	32-07 TASK 889
		32-72092	32-07 TASK 890
		32-72111	32-07 TASK 889
		32-72112	32-07 TASK 890
		32-72121	32-07 TASK 889
		32-72122	32-07 TASK 890
		32-72171	32-07 TASK 842
		32-72172	32-07 TASK 843
		32-73461	32-07 TASK 910
		32-73462	32-07 TASK 911
		32-73481	32-07 TASK 914
		32-73482	32-07 TASK 915
		32-73501	32-07 TASK 914
		32-73502	32-07 TASK 915
		32-78841	32-06 TASK 801
		32-78842	32-06 TASK 802
		32-78863	32-06 TASK 803
		32-78864	32-06 TASK 804
320 012 02	PSEU 2 CHANNEL (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

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
320 012 02	PSEU 2 CHANNEL (EICAS STATUS)	(continued)	
		31-54121	31-41 TASK 838
		31-58013	31-43 TASK 872
		31-58121	31-41 TASK 856
		31-69401	31-42 TASK 825
		31-69445	31-42 TASK 841
		31-69601	31-42 TASK 857
		31-69645	31-42 TASK 871
		32-71061	32-07 TASK 827
		32-71062	32-07 TASK 828
		32-71071	32-07 TASK 827
		32-71072	32-07 TASK 828
		32-72091	32-07 TASK 889
		32-72092	32-07 TASK 890
		32-72111	32-07 TASK 889
		32-72112	32-07 TASK 890
		32-72121	32-07 TASK 889
		32-72122	32-07 TASK 890
		32-72131	32-07 TASK 835
		32-72132	32-07 TASK 835
		32-72182	32-07 TASK 831
		32-72192	32-07 TASK 844
		32-72202	32-07 TASK 835
		32-72271	32-07 TASK 835
		32-72281	32-07 TASK 845
		32-72291	32-07 TASK 829
		32-72301	32-07 TASK 830
		32-72302	32-07 TASK 832
		32-72531	32-07 TASK 894
		32-72532	32-07 TASK 895
		32-73471	32-07 TASK 912
		32-73472	32-07 TASK 913
		32-73491	32-07 TASK 912
		32-73492	32-07 TASK 913
		32-73511	32-07 TASK 912
		32-73512	32-07 TASK 913

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
320 012 02	PSEU 2 CHANNEL (EICAS STATUS)	(continued) 32-78842 32-78864	32-06 TASK 802 32-06 TASK 804
320 480 41	Maintenance memo shows on the MAT: AIR/ GROUND SYSTEM L.	32-21301 32-28802	32-09 TASK 804 32-09 TASK 822
320 480 42	Maintenance memo shows on the MAT: AIR/ GROUND SYSTEM R.	32-21300 32-28801	32-09 TASK 803 32-09 TASK 821
320 486 41	Maintenance memo shows on the MAT: PSEU 1 (L1).	32-71011 32-71021 32-71031 32-71041 32-71051 32-71101 32-71111 32-71131 32-71140 32-71150 32-71220 32-71230 32-71271 32-71282 32-71291 32-71293 32-71392 32-71511 32-71521 32-71561 32-71571 32-71581 32-71591 32-71661 32-71671 32-71682 32-71691	32-07 TASK 801 32-07 TASK 824 32-07 TASK 825 32-07 TASK 812 32-07 TASK 802 32-07 TASK 804 32-07 TASK 806 32-07 TASK 811 32-07 TASK 817 32-07 TASK 815 32-07 TASK 815 32-07 TASK 815 32-07 TASK 812 32-07 TASK 810 32-07 TASK 820 32-07 TASK 821 32-07 TASK 879 32-07 TASK 811 32-07 TASK 811 32-07 TASK 811 32-07 TASK 811 32-07 TASK 815 32-07 TASK 815 32-07 TASK 882 32-07 TASK 815

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
320 486 41	Maintenance memo shows on the MAT: PSEU 1 (L1).	(continued)	
		32-71701	32-07 TASK 815
		32-71720	32-62 TASK 801
		32-71730	32-62 TASK 801
		32-71760	32-62 TASK 801
		32-71780	32-62 TASK 811
		32-71810	32-62 TASK 811
		32-71820	32-73 TASK 801
		32-71840	32-62 TASK 811
		32-71870	32-62 TASK 811
		32-71874	32-62 TASK 813
		32-71880	32-62 TASK 817
		32-71920	32-62 TASK 808
		32-71930	32-62 TASK 819
		32-71960	32-62 TASK 820
		32-71970	32-62 TASK 820
		32-71980	32-62 TASK 817
		32-72020	32-62 TASK 808
		32-72131	32-07 TASK 835
		32-72132	32-07 TASK 835
		32-72182	32-07 TASK 831
		32-72192	32-07 TASK 844
		32-72202	32-07 TASK 835
		32-72210	32-07 TASK 835
		32-72220	32-07 TASK 835
		32-72271	32-07 TASK 835
		32-72281	32-07 TASK 845
		32-72291	32-07 TASK 829
		32-72391	32-07 TASK 829
		32-72392	32-07 TASK 831
		32-72400	32-07 TASK 829
		32-72410	32-07 TASK 831
		32-72531	32-07 TASK 894
		32-72532	32-07 TASK 895
		32-73461	32-07 TASK 910

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
320 486 41	Maintenance memo shows on the MAT: PSEU 1 (L1).	(continued)	
		52-11240	52-34 TASK 806
		52-11270	52-34 TASK 806
		52-11500	52-34 TASK 807
		52-11510	52-34 TASK 808
		52-11520	52-35 TASK 806
		52-11530	52-35 TASK 807
		52-11540	52-34 TASK 809
		52-11930	52-35 TASK 823
		52-11970	52-35 TASK 808
		52-11980	52-35 TASK 808
		52-12320	52-34 TASK 811
		52-12330	52-34 TASK 811
		52-12340	52-34 TASK 811
		52-21240	52-34 TASK 835
		52-21270	52-34 TASK 835
		52-21500	52-34 TASK 836
		52-21510	52-34 TASK 837
		52-21520	52-35 TASK 829
		52-21530	52-35 TASK 830
		52-21540	52-34 TASK 838
		52-21930	52-35 TASK 831
		52-21970	52-35 TASK 832
		52-21980	52-35 TASK 832
		52-22320	52-34 TASK 839
		52-22330	52-34 TASK 839
		52-22340	52-34 TASK 839
		78-01011	78-36 TASK 843
		78-01021	78-36 TASK 845
		78-01031	78-36 TASK 847
		78-01041	78-36 TASK 849
		78-01051	78-36 TASK 851
		78-01061	78-36 TASK 853
		78-01071	78-36 TASK 855
		78-02011	78-36 TASK 843

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
320 486 41	Maintenance memo shows on the MAT: PSEU 1 (L1).	(continued)	
		78-02021	78-36 TASK 845
		78-02031	78-36 TASK 847
		78-02041	78-36 TASK 849
		78-02051	78-36 TASK 851
		78-02061	78-36 TASK 853
320 486 42	Maintenance memo shows on the MAT: PSEU 1 (R1).	78-02071	78-36 TASK 855
		32-71002	32-07 TASK 801
		32-71022	32-07 TASK 825
		32-71032	32-07 TASK 826
		32-71042	32-07 TASK 814
		32-71052	32-07 TASK 803
		32-71102	32-07 TASK 805
		32-71112	32-07 TASK 808
		32-71220	32-07 TASK 815
		32-71230	32-07 TASK 815
		32-71242	32-07 TASK 815
		32-71252	32-07 TASK 818
		32-71262	32-07 TASK 813
		32-71272	32-07 TASK 814
		32-71282	32-07 TASK 810
		32-71292	32-07 TASK 820
		32-71294	32-07 TASK 821
		32-71392	32-07 TASK 879
		32-71512	32-07 TASK 813
		32-71522	32-07 TASK 813
		32-71562	32-07 TASK 813
		32-71572	32-07 TASK 813
		32-71582	32-07 TASK 813
		32-71592	32-07 TASK 813
		32-71662	32-07 TASK 815
		32-71672	32-07 TASK 815
		32-71681	32-07 TASK 881
		32-71692	32-07 TASK 815

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
320 486 42	Maintenance memo shows on the MAT: PSEU 1 (R1).	(continued)	
		32-71702	32-07 TASK 815
		32-71720	32-62 TASK 801
		32-71730	32-62 TASK 801
		32-71760	32-62 TASK 801
		32-71780	32-62 TASK 811
		32-71810	32-62 TASK 811
		32-71820	32-73 TASK 801
		32-71840	32-62 TASK 811
		32-71870	32-62 TASK 811
		32-71874	32-62 TASK 813
		32-71880	32-62 TASK 817
		32-71920	32-62 TASK 808
		32-71930	32-62 TASK 819
		32-71960	32-62 TASK 820
		32-71970	32-62 TASK 820
		32-71980	32-62 TASK 817
		32-72020	32-62 TASK 808
		32-72131	32-07 TASK 835
		32-72132	32-07 TASK 835
		32-72182	32-07 TASK 831
		32-72192	32-07 TASK 844
		32-72202	32-07 TASK 835
		32-72210	32-07 TASK 835
		32-72220	32-07 TASK 835
		32-72271	32-07 TASK 835
		32-72281	32-07 TASK 845
		32-72291	32-07 TASK 829
		32-72391	32-07 TASK 829
		32-72392	32-07 TASK 831
		32-72400	32-07 TASK 829
		32-72410	32-07 TASK 831
		32-72531	32-07 TASK 894
		32-72532	32-07 TASK 895
		32-73462	32-07 TASK 911

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
320 486 42	Maintenance memo shows on the MAT: PSEU 1 (R1).	(continued)	
		52-11240	52-34 TASK 806
		52-11270	52-34 TASK 806
		52-11500	52-34 TASK 807
		52-11510	52-34 TASK 808
		52-11520	52-35 TASK 806
		52-11530	52-35 TASK 807
		52-11540	52-34 TASK 809
		52-11930	52-35 TASK 823
		52-11970	52-35 TASK 808
		52-11980	52-35 TASK 808
		52-12320	52-34 TASK 811
		52-12330	52-34 TASK 811
		52-12340	52-34 TASK 811
		52-21240	52-34 TASK 835
		52-21270	52-34 TASK 835
		52-21500	52-34 TASK 836
		52-21510	52-34 TASK 837
		52-21520	52-35 TASK 829
		52-21530	52-35 TASK 830
		52-21540	52-34 TASK 838
		52-21930	52-35 TASK 831
		52-21970	52-35 TASK 832
		52-21980	52-35 TASK 832
		52-22320	52-34 TASK 839
		52-22330	52-34 TASK 839
		52-22340	52-34 TASK 839
		78-01011	78-36 TASK 843
		78-01021	78-36 TASK 845
		78-01031	78-36 TASK 847
		78-01041	78-36 TASK 849
		78-01051	78-36 TASK 851
		78-01061	78-36 TASK 853
		78-01071	78-36 TASK 855
		78-02011	78-36 TASK 843

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
320 486 42	Maintenance memo shows on the MAT: PSEU 1 (R1).	(continued)	
		78-02021	78-36 TASK 845
		78-02031	78-36 TASK 847
		78-02041	78-36 TASK 849
		78-02051	78-36 TASK 851
		78-02061	78-36 TASK 853
320 487 41	Maintenance memo shows on the MAT: PSEU 2 (L2).	78-02071	78-36 TASK 855
		23-81004	23-91 TASK 804
		32-71289	32-07 TASK 822
		32-71295	32-07 TASK 822
		32-71297	32-07 TASK 823
		32-72041	32-07 TASK 883
		32-72051	32-07 TASK 885
		32-72061	32-07 TASK 887
		32-72071	32-07 TASK 830
		32-72081	32-07 TASK 833
		32-72091	32-07 TASK 889
		32-72111	32-07 TASK 889
		32-72141	32-07 TASK 836
		32-72220	32-07 TASK 835
		32-72231	32-07 TASK 829
		32-72250	32-07 TASK 835
		32-72260	32-07 TASK 835
		32-72271	32-07 TASK 835
		32-72281	32-07 TASK 845
		32-72291	32-07 TASK 829
		32-72301	32-07 TASK 830
		32-72371	32-07 TASK 829
		32-72392	32-07 TASK 831
		32-72400	32-07 TASK 829
		32-72441	32-07 TASK 829
		32-72461	32-07 TASK 829
		32-72471	32-07 TASK 829
		32-72511	32-07 TASK 835

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
320 487 41	Maintenance memo shows on the MAT: PSEU 2 (L2).	(continued)	
		32-72521	32-07 TASK 835
		32-72532	32-07 TASK 895
		32-72541	32-07 TASK 835
		32-72551	32-07 TASK 835
		32-72570	32-62 TASK 804
		32-72580	32-62 TASK 804
		32-72610	32-62 TASK 804
		32-72630	32-62 TASK 812
		32-72660	32-62 TASK 812
		32-72680	32-62 TASK 812
		32-72712	32-74 TASK 801
		32-72714	32-74 TASK 801
		32-72720	32-73 TASK 802
		32-72770	32-62 TASK 810
		32-72780	32-62 TASK 821
		32-72810	32-62 TASK 822
		32-72820	32-62 TASK 822
		32-72830	32-62 TASK 818
		32-72870	32-62 TASK 810
		32-73471	32-07 TASK 912
		78-01012	78-36 TASK 844
		78-01022	78-36 TASK 846
		78-01032	78-36 TASK 848
		78-01042	78-36 TASK 850
		78-01052	78-36 TASK 852
		78-01062	78-36 TASK 854
		78-01072	78-36 TASK 856
		78-02012	78-36 TASK 844
		78-02022	78-36 TASK 846
		78-02032	78-36 TASK 848
		78-02042	78-36 TASK 850
		78-02052	78-36 TASK 852
		78-02062	78-36 TASK 854
		78-02072	78-36 TASK 856

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320 487 42	Maintenance memo shows on the MAT: PSEU 2 (R2).	23-81006	23-91 TASK 806
		32-71288	32-07 TASK 822
		32-71296	32-07 TASK 822
		32-71298	32-07 TASK 823
		32-72042	32-07 TASK 884
		32-72052	32-07 TASK 886
		32-72062	32-07 TASK 888
		32-72072	32-07 TASK 832
		32-72082	32-07 TASK 834
		32-72092	32-07 TASK 890
		32-72112	32-07 TASK 890
		32-72142	32-07 TASK 837
		32-72182	32-07 TASK 831
		32-72192	32-07 TASK 844
		32-72202	32-07 TASK 835
		32-72220	32-07 TASK 835
		32-72232	32-07 TASK 831
		32-72250	32-07 TASK 835
		32-72260	32-07 TASK 835
		32-72302	32-07 TASK 832
		32-72372	32-07 TASK 831
		32-72391	32-07 TASK 829
		32-72410	32-07 TASK 831
		32-72442	32-07 TASK 831
		32-72462	32-07 TASK 831
		32-72472	32-07 TASK 831
		32-72512	32-07 TASK 835
		32-72522	32-07 TASK 835
		32-72531	32-07 TASK 894
		32-72542	32-07 TASK 835
		32-72552	32-07 TASK 835
		32-72570	32-62 TASK 804
		32-72580	32-62 TASK 804
		32-72610	32-62 TASK 804
		32-72630	32-62 TASK 812

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
320 487 42	Maintenance memo shows on the MAT: PSEU 2 (R2).	(continued)	
		32-72660	32-62 TASK 812
		32-72680	32-62 TASK 812
		32-72712	32-74 TASK 801
		32-72714	32-74 TASK 801
		32-72720	32-73 TASK 802
		32-72770	32-62 TASK 810
		32-72780	32-62 TASK 821
		32-72810	32-62 TASK 822
		32-72820	32-62 TASK 822
		32-72830	32-62 TASK 818
		32-72870	32-62 TASK 810
		32-73472	32-07 TASK 913
		78-01012	78-36 TASK 844
		78-01022	78-36 TASK 846
		78-01032	78-36 TASK 848
		78-01042	78-36 TASK 850
		78-01052	78-36 TASK 852
		78-01062	78-36 TASK 854
		78-01072	78-36 TASK 856
		78-02012	78-36 TASK 844
		78-02022	78-36 TASK 846
		78-02032	78-36 TASK 848
		78-02042	78-36 TASK 850
		78-02052	78-36 TASK 852
		78-02062	78-36 TASK 854
		78-02072	78-36 TASK 856
322 811 00	Nose landing gear shock strut: deflated or pressure is low.		32-11 TASK 801
322 812 00	Nose landing gear shock strut: pressure indicator not in green band.		32-11 TASK 804
323 001 00	GEAR DOOR (EICAS ADVISORY)	32-71876	32-62 TASK 814
		32-71880	32-62 TASK 817
		32-71930	32-62 TASK 819
		32-71980	32-62 TASK 817
		32-72276	32-62 TASK 815

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
323 001 00	GEAR DOOR (EICAS ADVISORY)	(continued)	
		32-72730	32-62 TASK 818
		32-72780	32-62 TASK 821
		32-72830	32-62 TASK 818
323 011 00	GEAR CONTROL (EICAS STATUS)	23-81004	23-91 TASK 804
		23-81006	23-91 TASK 806
		24-11787	24-32 TASK 817
		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
		31-69443	31-42 TASK 841
		31-69445	31-42 TASK 841
		31-69601	31-42 TASK 857
		31-69643	31-42 TASK 871
		31-69645	31-42 TASK 871
		32-71091	32-07 TASK 815
		32-71092	32-07 TASK 815
		32-71131	32-07 TASK 811
		32-71140	32-07 TASK 817
		32-71150	32-07 TASK 815
		32-71220	32-07 TASK 815
		32-71242	32-07 TASK 815
		32-71252	32-07 TASK 818
		32-71262	32-07 TASK 813
		32-71280	32-07 TASK 809
		32-71282	32-07 TASK 810
		32-71561	32-07 TASK 811
		32-71562	32-07 TASK 813
		32-71571	32-07 TASK 811

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
323 011 00	GEAR CONTROL (EICAS STATUS)	(continued)	
		32-71572	32-07 TASK 813
		32-71681	32-07 TASK 881
		32-71682	32-07 TASK 882
		32-71876	32-62 TASK 814
		32-72131	32-07 TASK 835
		32-72132	32-07 TASK 835
		32-72182	32-07 TASK 831
		32-72192	32-07 TASK 844
		32-72202	32-07 TASK 835
		32-72250	32-07 TASK 835
		32-72271	32-07 TASK 835
		32-72276	32-62 TASK 815
		32-72281	32-07 TASK 845
		32-72291	32-07 TASK 829
		32-72441	32-07 TASK 829
		32-72442	32-07 TASK 831
		32-72451	32-07 TASK 829
		32-72452	32-07 TASK 831
		32-72531	32-07 TASK 894
		32-72532	32-07 TASK 895
		32-73481	32-07 TASK 914
		32-73482	32-07 TASK 915
		32-73491	32-07 TASK 912
		32-73492	32-07 TASK 913
		32-73501	32-07 TASK 914
		32-73502	32-07 TASK 915
		32-73511	32-07 TASK 912
		32-73512	32-07 TASK 913
		32-78841	32-06 TASK 801
		32-78842	32-06 TASK 802
		32-78863	32-06 TASK 803
		32-78864	32-06 TASK 804
323 021 41	MAIN GEAR BRACE L (EICAS CAUTION)	32-71280	32-07 TASK 809
		32-71282	32-07 TASK 810
		32-71876	32-62 TASK 814

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
323 021 41	MAIN GEAR BRACE L (EICAS CAUTION)	(continued)	
		32-71890	32-62 TASK 817
		32-71900	32-62 TASK 817
		32-72276	32-62 TASK 815
		32-72740	32-62 TASK 818
		32-72750	32-62 TASK 818
323 021 42	MAIN GEAR BRACE R (EICAS CAUTION)	32-71280	32-07 TASK 809
		32-71282	32-07 TASK 810
		32-71876	32-62 TASK 814
		32-71990	32-62 TASK 817
		32-72000	32-62 TASK 817
		32-72276	32-62 TASK 815
		32-72840	32-62 TASK 818
		32-72850	32-62 TASK 818
323 031 00	ALTN GEAR EXTEND (EICAS STATUS)	32-71280	32-07 TASK 809
		32-71282	32-07 TASK 810
323 041 00	SEMI LEVER GEAR (EICAS STATUS) Before you do any task listed here, see FIM 32-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.		
		32-71220	32-07 TASK 815
		32-71280	32-07 TASK 809
		32-71481	32-07 TASK 811
		32-71482	32-07 TASK 813
		32-71561	32-07 TASK 811
		32-71562	32-07 TASK 813
		32-71571	32-07 TASK 811
		32-71572	32-07 TASK 813
		32-71775	32-62 TASK 802
		32-72231	32-07 TASK 829
		32-72232	32-07 TASK 831
		32-72250	32-07 TASK 835
		32-72321	32-07 TASK 878
		32-72322	32-07 TASK 878
		32-72351	32-07 TASK 829
		32-72352	32-07 TASK 831

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323 041 00	SEMI LEVER GEAR (EICAS STATUS) Before you do any task listed here, see FIM 32-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.	(continued)	
		32-72421	32-07 TASK 829
		32-72422	32-07 TASK 831
		32-72441	32-07 TASK 829
		32-72442	32-07 TASK 831
		32-72451	32-07 TASK 829
		32-72452	32-07 TASK 831
		32-72675	32-62 TASK 803
		32-73321	32-07 TASK 897
		32-73323	32-07 TASK 899
		32-73324	32-07 TASK 901
		32-73325	32-07 TASK 903
		32-73351	32-07 TASK 898
		32-73353	32-07 TASK 900
		32-73354	32-07 TASK 902
		32-73355	32-07 TASK 904
323 042 00	SEMI LEVER GEAR LOCK (EICAS STATUS) Before you do any task listed here, see FIM 32-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.	32-73326	32-07 TASK 905
		32-73327	32-07 TASK 903
		32-73356	32-07 TASK 906
		32-73357	32-07 TASK 904
323 043 00	SEMI LEVER GEAR SYS (EICAS STATUS)	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

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323 043 00	SEMI LEVER GEAR SYS (EICAS STATUS)	(continued)	
		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
		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

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323 043 00	SEMI LEVER GEAR SYS (EICAS STATUS)	(continued)	
		31-69318	31-42 TASK 822
		32-73322	32-07 TASK 926
		32-73352	32-07 TASK 927
		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
		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

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323 043 00	SEMI LEVER GEAR SYS (EICAS STATUS)	(continued) 34-29306 34-29317 34-29320	34-21 TASK 865 34-21 TASK 869 34-21 TASK 896
323 611 00	Landing gear lever: lock does not release unless LOCK OVRD switch is pushed.		32-30 TASK 801
323 621 41	Landing gear: does not retract when landing gear lever moved to UP position - left main.		32-30 TASK 802
323 621 42	Landing gear: does not retract when landing gear lever moved to UP position - right main.		32-30 TASK 803
323 621 48	Landing gear: does not retract when landing gear lever moved to UP position - left and right main.		32-30 TASK 804
323 622 00	Landing gear: does not retract when landing gear lever moved to UP position - nose.		32-30 TASK 805
323 623 00	Landing gear: does not retract when landing gear lever moved to UP position - left, right, and nose.		32-30 TASK 806
323 631 41	Landing gear: Does not extend when landing gear lever moved to DN position - left main.		32-30 TASK 807
323 631 42	Landing gear: Does not extend when landing gear lever moved to DN position - right main.		32-30 TASK 808
323 631 48	Landing gear: Does not extend when landing gear lever moved to DN position - left and right main.		32-30 TASK 809
323 632 00	Landing gear: Does not extend when landing gear lever moved to DN position - nose.		32-30 TASK 810
323 633 00	Landing gear: Does not extend when landing gear lever moved to DN position - left, right, and nose.		32-30 TASK 811
323 651 00	Landing gear doors: do not open on the ground with ground door release switches (P56 panel) or with ALTN GEAR EXT switch.		32-30 TASK 813
323 811 00	Landing gear doors: do not close on the ground after landing gear alternate extension test - left, right, and nose.		32-30 TASK 814
323 812 00	Landing gear doors: do not close on the ground after landing gear alternate extension test - nose.		32-30 TASK 815
323 813 41	Landing gear doors: do not close on the ground after landing gear alternate extension test - left main.		32-30 TASK 817

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323 813 42	Landing gear doors: do not close on the ground after landing gear alternate extension test - right main.		32-30 TASK 818
323 813 48	Landing gear doors: do not close on the ground after landing gear alternate extension test - left and right main.		32-30 TASK 816
323 815 00	Landing gear doors: do not close on the ground after landing gear operational test - nose.		32-30 TASK 820
323 816 00	Landing gear doors: do not close on the ground after landing gear operational test - left, right, and nose.		32-30 TASK 819
323 816 48	Landing gear doors: do not close on the ground after landing gear operational test - left and right main.		32-30 TASK 821
324 001 00	BRAKE SOURCE (EICAS ADVISORY)		32-46 TASK 809
324 011 00	ANTISKID (EICAS ADVISORY)	23-81004 23-81006 24-11787 24-12056 24-13815 31-54013 31-54014 31-54121 31-54122 31-58013 31-58014 31-58121 31-58122 31-69401 31-69402 31-69447 31-69448 31-69601 31-69602 31-69647 31-69648 32-30010 32-30020	23-91 TASK 804 23-91 TASK 806 24-32 TASK 817 24-32 TASK 820 24-61 TASK 806 31-43 TASK 868 31-43 TASK 869 31-41 TASK 838 31-41 TASK 839 31-43 TASK 872 31-43 TASK 873 31-41 TASK 856 31-41 TASK 857 31-42 TASK 825 31-42 TASK 825 31-42 TASK 842 31-42 TASK 842 31-42 TASK 857 31-42 TASK 857 31-42 TASK 872 31-42 TASK 872 32-42 TASK 822 32-42 TASK 823

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324 011 00	ANTISKID (EICAS ADVISORY)	(continued)	
		32-30030	32-42 TASK 824
		32-30040	32-42 TASK 825
		32-30050	32-42 TASK 801
		32-30060	32-42 TASK 801
		32-30070	32-42 TASK 801
		32-30080	32-42 TASK 801
		32-30090	32-42 TASK 801
		32-30100	32-42 TASK 801
		32-30110	32-42 TASK 801
		32-30120	32-42 TASK 801
		32-30130	32-42 TASK 801
		32-30140	32-42 TASK 801
		32-30150	32-42 TASK 801
		32-30160	32-42 TASK 801
		32-30170	32-42 TASK 802
		32-30180	32-42 TASK 802
		32-30190	32-42 TASK 802
		32-30200	32-42 TASK 802
		32-30210	32-42 TASK 802
		32-30220	32-42 TASK 802
		32-30230	32-42 TASK 802
		32-30240	32-42 TASK 802
		32-30250	32-42 TASK 803
		32-30260	32-42 TASK 803
		32-30270	32-42 TASK 803
		32-30280	32-42 TASK 803
		32-30290	32-42 TASK 803
		32-30300	32-42 TASK 803
		32-30310	32-42 TASK 803
		32-30320	32-42 TASK 803
		32-30330	32-42 TASK 803
		32-30340	32-42 TASK 803
		32-30350	32-42 TASK 803
		32-30360	32-42 TASK 803
		32-30370	32-44 TASK 801

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
324 011 00	ANTISKID (EICAS ADVISORY)	(continued)	
		32-30490	32-42 TASK 809
		32-30500	32-42 TASK 810
		32-30630	32-42 TASK 815
		32-30704	32-42 TASK 834
		32-30705	32-42 TASK 834
		32-38801	32-42 TASK 815
		32-38840	32-42 TASK 811
		32-38860	32-42 TASK 829
		32-39401	32-42 TASK 811
		32-39601	32-42 TASK 829
324 012 00	ANTISKID (EICAS STATUS)	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
		31-54013	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
		31-69447	31-42 TASK 842
		31-69448	31-42 TASK 842
		31-69601	31-42 TASK 857
		31-69602	31-42 TASK 857
		31-69647	31-42 TASK 872
		31-69648	31-42 TASK 872
		32-30010	32-42 TASK 822
		32-30020	32-42 TASK 823
		32-30030	32-42 TASK 824
		32-30040	32-42 TASK 825

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324 012 00	ANTISKID (EICAS STATUS)	(continued)	
		32-30050	32-42 TASK 801
		32-30060	32-42 TASK 801
		32-30070	32-42 TASK 801
		32-30080	32-42 TASK 801
		32-30090	32-42 TASK 801
		32-30100	32-42 TASK 801
		32-30110	32-42 TASK 801
		32-30120	32-42 TASK 801
		32-30130	32-42 TASK 801
		32-30140	32-42 TASK 801
		32-30150	32-42 TASK 801
		32-30160	32-42 TASK 801
		32-30250	32-42 TASK 803
		32-30260	32-42 TASK 803
		32-30270	32-42 TASK 803
		32-30280	32-42 TASK 803
		32-30290	32-42 TASK 803
		32-30300	32-42 TASK 803
		32-30310	32-42 TASK 803
		32-30320	32-42 TASK 803
		32-30330	32-42 TASK 803
		32-30340	32-42 TASK 803
		32-30350	32-42 TASK 803
		32-30360	32-42 TASK 803
		32-30370	32-44 TASK 801
		32-30490	32-42 TASK 809
		32-30500	32-42 TASK 810
		32-30630	32-42 TASK 815
		32-30704	32-42 TASK 834
		32-30705	32-42 TASK 834
		32-38801	32-42 TASK 815
		32-38840	32-42 TASK 811
		32-38860	32-42 TASK 829
		32-39401	32-42 TASK 811
		32-39601	32-42 TASK 829

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324 021 41	ANTISKID XDCR L (EICAS STATUS)	32-30250	32-42 TASK 803
		32-30260	32-42 TASK 803
		32-30290	32-42 TASK 803
		32-30300	32-42 TASK 803
		32-30330	32-42 TASK 803
		32-30340	32-42 TASK 803
		32-30630	32-42 TASK 815
324 021 42	ANTISKID XDCR R (EICAS STATUS)	32-30270	32-42 TASK 803
		32-30280	32-42 TASK 803
		32-30310	32-42 TASK 803
		32-30320	32-42 TASK 803
		32-30350	32-42 TASK 803
		32-30360	32-42 TASK 803
		32-30630	32-42 TASK 815
324 031 41	ANTISKID NORM VLV L (EICAS STATUS)	32-30050	32-42 TASK 801
		32-30060	32-42 TASK 801
		32-30090	32-42 TASK 801
		32-30100	32-42 TASK 801
		32-30130	32-42 TASK 801
		32-30140	32-42 TASK 801
		32-30630	32-42 TASK 815
324 031 42	ANTISKID NORM VLV R (EICAS STATUS)	32-30070	32-42 TASK 801
		32-30080	32-42 TASK 801
		32-30110	32-42 TASK 801
		32-30120	32-42 TASK 801
		32-30150	32-42 TASK 801
		32-30160	32-42 TASK 801
		32-30630	32-42 TASK 815
324 032 00	ANTISKID ALTN VALVE (EICAS STATUS)	32-30170	32-42 TASK 802
		32-30180	32-42 TASK 802
		32-30190	32-42 TASK 802
		32-30200	32-42 TASK 802
		32-30210	32-42 TASK 802
		32-30220	32-42 TASK 802
		32-30230	32-42 TASK 802
		32-30240	32-42 TASK 802

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
324 032 00	ANTISKID ALTN VALVE (EICAS STATUS)	(continued) 32-30630	32-42 TASK 815
324 041 00	AUTOBRAKE (EICAS ADVISORY)	23-81001 23-81003 23-81006 24-11787 24-12056 31-54013 31-54101 31-58014 31-58102 31-69101 31-69102 31-69117 31-69118 31-69301 31-69302 31-69317 31-69318 32-30380 32-30400 32-30420 32-30430 32-30440 32-30450 32-30460 32-30490 32-30520 32-30540 32-30630 32-30650 32-30703 32-30705 32-39601 34-28801 34-28810	23-91 TASK 801 23-91 TASK 803 23-91 TASK 806 24-32 TASK 817 24-32 TASK 820 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 32-42 TASK 804 32-42 TASK 806 32-42 TASK 807 32-42 TASK 808 32-42 TASK 826 32-42 TASK 827 32-42 TASK 828 32-42 TASK 809 32-41 TASK 807 32-41 TASK 807 32-42 TASK 815 32-42 TASK 812 32-42 TASK 834 32-42 TASK 834 32-42 TASK 829 34-21 TASK 848 34-21 TASK 849

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324 041 00	AUTOBRAKE (EICAS ADVISORY)	(continued)	
		34-28830	34-21 TASK 852
		34-29101	34-21 TASK 893
		34-29301	34-21 TASK 895
324 042 00	AUTOBRAKE (EICAS STATUS)	23-81001	23-91 TASK 801
		23-81003	23-91 TASK 803
		23-81006	23-91 TASK 806
		24-11787	24-32 TASK 817
		24-12056	24-32 TASK 820
		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
		32-30380	32-42 TASK 804
		32-30400	32-42 TASK 806
		32-30420	32-42 TASK 807
		32-30430	32-42 TASK 808
		32-30440	32-42 TASK 826
		32-30450	32-42 TASK 827
		32-30460	32-42 TASK 828
		32-30490	32-42 TASK 809
		32-30520	32-41 TASK 807
		32-30540	32-41 TASK 807
		32-30630	32-42 TASK 815
		32-30650	32-42 TASK 812
		32-30701	32-42 TASK 833
		32-30702	32-42 TASK 833
		32-30703	32-42 TASK 834

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324 042 00	AUTOBRAKE (EICAS STATUS)	(continued)	
		32-30705	32-42 TASK 834
		32-39601	32-42 TASK 829
		34-28801	34-21 TASK 848
		34-28810	34-21 TASK 849
		34-28830	34-21 TASK 852
		34-29101	34-21 TASK 893
324 042 00	AUTOBRAKE (EICAS STATUS)	34-29301	34-21 TASK 895
324 043 00	AUTOBRAKE SOL VALVE (EICAS STATUS)	32-30380	32-42 TASK 804
324 051 00	BRAKE TEMP (EICAS ADVISORY)		32-46 TASK 810
324 061 00	BRAKE TEMP SYS (EICAS STATUS)	23-81004	23-91 TASK 804
		24-11787	24-32 TASK 817
		31-58013	31-43 TASK 872
		31-58014	31-43 TASK 873
		31-58121	31-41 TASK 856
		31-58122	31-41 TASK 857
		31-69401	31-42 TASK 825
		31-69402	31-42 TASK 825
		31-69449	31-42 TASK 843
		31-69450	31-42 TASK 843
		32-42010	32-46 TASK 801
		32-42020	32-46 TASK 806
		32-43010	32-46 TASK 802
		32-43020	32-46 TASK 802
		32-43030	32-46 TASK 807
		32-43040	32-46 TASK 807
		32-43050	32-46 TASK 802
		32-43060	32-46 TASK 802
		32-43070	32-46 TASK 807
		32-43080	32-46 TASK 807
		32-43090	32-46 TASK 802
		32-43100	32-46 TASK 802
		32-43110	32-46 TASK 807
		32-43120	32-46 TASK 807
		32-43194	32-46 TASK 814
		32-43197	32-46 TASK 813

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324 061 00	BRAKE TEMP SYS (EICAS STATUS)	(continued) 32-48840 32-54313	32-46 TASK 803 32-49 TASK 810
324 480 41	Maintenance memo shows on the MAT: BSCU (SECONDARY CH).	23-81006 24-11787 24-12056 24-13815 32-30010 32-30020 32-30030 32-30040 32-30490 32-30630 32-39601	23-91 TASK 806 24-32 TASK 817 24-32 TASK 820 24-61 TASK 806 32-42 TASK 822 32-42 TASK 823 32-42 TASK 824 32-42 TASK 825 32-42 TASK 809 32-42 TASK 815 32-42 TASK 829
324 480 42	Maintenance memo shows on the MAT: BSCU (PRIMARY CH).	23-81004 24-11787 24-12056 24-13815 32-30010 32-30020 32-30030 32-30040 32-30500 32-30630 32-39401	23-91 TASK 804 24-32 TASK 817 24-32 TASK 820 24-61 TASK 806 32-42 TASK 822 32-42 TASK 823 32-42 TASK 824 32-42 TASK 825 32-42 TASK 810 32-42 TASK 815 32-42 TASK 811
324 481 00	Maintenance memo shows on the MAT: TIRE PRESS SYS.	32-54325 32-54329 32-54333 32-54337 32-54341 32-54345 32-54349 32-54353 32-54357	32-49 TASK 811 32-49 TASK 811 32-49 TASK 811 32-49 TASK 811 32-49 TASK 811 32-49 TASK 811 32-49 TASK 811 32-49 TASK 811 32-49 TASK 811

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324 481 00	Maintenance memo shows on the MAT: TIRE PRESS SYS.	(continued) 32-54361 32-54365 32-54369 32-54373 32-54377	 32-49 TASK 811 32-49 TASK 811 32-49 TASK 811 32-49 TASK 811 32-49 TASK 811
324 496 01	AUTOBRAKE 1 (EICAS MEMO)		32-42 TASK 832
324 496 02	AUTOBRAKE 2 (EICAS MEMO)		32-42 TASK 832
324 496 03	AUTOBRAKE 3 (EICAS MEMO)		32-42 TASK 832
324 496 04	AUTOBRAKE 4 (EICAS MEMO)		32-42 TASK 832
324 497 00	AUTOBRAKE MAX (EICAS MEMO)		32-42 TASK 832
324 498 00	AUTOBRAKE RTO (EICAS MEMO)		32-42 TASK 832
324 499 00	PARKING BRAKE SET (EICAS MEMO)		32-44 TASK 805
324 611 41	Brakes: pull to the left.		32-41 TASK 803
324 611 42	Brakes: pull to the right.		32-41 TASK 803
324 612 00	Brakes: grab, drag, or lock.		32-41 TASK 804
324 621 00	Auto brake: deceleration rate incorrect; no related message on display.		32-42 TASK 804
324 631 00	Brake pressure indication: low/zero with parking brake set.		32-41 TASK 805
324 633 00	Brake pressure indication: low/zero with parking brake released.		32-41 TASK 805
324 635 00	Brake pressure indication: indicator problem.		32-41 TASK 806
324 651 00	Parking brake lever: does not set.		32-44 TASK 804
324 652 00	Parking brake lever: does not release.		32-44 TASK 804
324 656 00	EICAS message: does not show when expected - memo PARKING BRAKE SET.		32-44 TASK 806
324 811 01	Tire problem - No. 1.		32-45 TASK 801
324 811 02	Tire problem - No. 2.		32-45 TASK 801
324 811 03	Tire problem - No. 3.		32-45 TASK 801
324 811 04	Tire problem - No. 4.		32-45 TASK 801
324 811 05	Tire problem - No. 5.		32-45 TASK 801
324 811 06	Tire problem - No. 6.		32-45 TASK 801
324 811 07	Tire problem - No. 7.		32-45 TASK 801
324 811 08	Tire problem - No. 8.		32-45 TASK 801
324 811 09	Tire problem - No. 9.		32-45 TASK 801

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324 811 10	Tire problem - No. 10.		32-45 TASK 801
324 811 11	Tire problem - No. 11.		32-45 TASK 801
324 811 12	Tire problem - No. 12.		32-45 TASK 801
324 811 13	Tire problem - No. 13.		32-45 TASK 801
324 811 14	Tire problem - No. 14.		32-45 TASK 801
325 001 00	MAIN GEAR STEERING (EICAS ADVISORY)	24-11787 29-10150 32-63010 32-63020 32-64000	24-32 TASK 817 29-11 TASK 894 32-53 TASK 805 32-53 TASK 810 32-53 TASK 811
325 002 00	MAIN GEAR STEERING (EICAS STATUS)	23-81004 24-11787 29-10150 31-58013 31-58014 31-58121 31-58122 31-69401 31-69402 31-69451 31-69452 32-62010 32-62020 32-62030 32-63010 32-63020 32-64000 32-68840 NONE	23-91 TASK 804 24-32 TASK 817 29-11 TASK 894 31-43 TASK 872 31-43 TASK 873 31-41 TASK 856 31-41 TASK 857 31-42 TASK 825 31-42 TASK 825 31-42 TASK 844 31-42 TASK 844 32-53 TASK 809 32-53 TASK 803 32-53 TASK 804 32-53 TASK 805 32-53 TASK 810 32-53 TASK 811 32-53 TASK 801 32-53 TASK 813
325 480 00	Maintenance memo shows on the MAT: MAIN GEAR STEERING.	32-61010 32-61020 32-61030	32-53 TASK 802 32-53 TASK 807 32-53 TASK 808
325 611 00	Steering tiller: Stiff or inoperative.		32-53 TASK 814
325 621 00	Nose landing gear: Vibrates at taxi, takeoff, or landing.		32-51 TASK 801

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326 001 00	GEAR DISAGREE (EICAS CAUTION)	23-81004	23-91 TASK 804
		23-81006	23-91 TASK 806
		27-18830	27-02 TASK 898
		27-19510	27-02 TASK 904
		29-10820	29-11 TASK 805
		29-10880	29-11 TASK 854
		29-11060	29-11 TASK 928
		29-11070	29-11 TASK 928
		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
		32-71280	32-07 TASK 809
		32-71282	32-07 TASK 810
		32-71876	32-62 TASK 814
		32-71890	32-62 TASK 817
		32-71900	32-62 TASK 817
		32-71920	32-62 TASK 808
		32-71940	32-62 TASK 819
		32-71950	32-62 TASK 819
		32-71970	32-62 TASK 820
		32-71990	32-62 TASK 817
		32-72000	32-62 TASK 817
		32-72020	32-62 TASK 808
		32-72276	32-62 TASK 815
		32-72740	32-62 TASK 818
		32-72750	32-62 TASK 818
		32-72770	32-62 TASK 810
		32-72790	32-62 TASK 821
		32-72800	32-62 TASK 821
		32-72820	32-62 TASK 822
		32-72840	32-62 TASK 818

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326 001 00	GEAR DISAGREE (EICAS CAUTION)	(continued) 32-72850 32-72870	32-62 TASK 818 32-62 TASK 810
326 011 00	GEAR INDICATION SYS (EICAS STATUS) Before you do any task listed here, see FIM 32-62 TASK 823. NOTE: AIMS CAN LATCH THIS MESSAGE.	32-71220 32-71280 32-71282 32-71561 32-71562 32-71571 32-71572 32-71720 32-71730 32-71740 32-71750 32-71760 32-71770 32-71780 32-71790 32-71800 32-71810 32-71830 32-71840 32-71850 32-71860 32-71870 32-71890 32-71900 32-71910 32-71940 32-71950 32-71960 32-71970	32-07 TASK 815 32-07 TASK 809 32-07 TASK 810 32-07 TASK 811 32-07 TASK 813 32-07 TASK 811 32-07 TASK 813 32-62 TASK 801 32-62 TASK 801 32-62 TASK 801 32-62 TASK 801 32-62 TASK 811 32-62 TASK 811 32-62 TASK 811 32-62 TASK 811 32-62 TASK 811 32-62 TASK 811 32-62 TASK 811 32-62 TASK 811 32-62 TASK 817 32-62 TASK 817 32-62 TASK 807 32-62 TASK 819 32-62 TASK 819 32-62 TASK 820 32-62 TASK 820

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326 011 00	GEAR INDICATION SYS (EICAS STATUS) Before you do any task listed here, see FIM 32-62 TASK 823. NOTE: AIMS CAN LATCH THIS MESSAGE.	(continued)	
		32-71990	32-62 TASK 817
		32-72000	32-62 TASK 817
		32-72010	32-62 TASK 807
		32-72250	32-07 TASK 835
		32-72441	32-07 TASK 829
		32-72442	32-07 TASK 831
		32-72451	32-07 TASK 829
		32-72452	32-07 TASK 831
		32-72570	32-62 TASK 804
		32-72580	32-62 TASK 804
		32-72590	32-62 TASK 804
		32-72600	32-62 TASK 804
		32-72610	32-62 TASK 804
		32-72620	32-62 TASK 812
		32-72630	32-62 TASK 812
		32-72640	32-62 TASK 812
		32-72650	32-62 TASK 812
		32-72660	32-62 TASK 812
		32-72670	32-62 TASK 812
		32-72680	32-62 TASK 812
		32-72690	32-62 TASK 812
		32-72700	32-62 TASK 812
		32-72710	32-62 TASK 812
		32-72740	32-62 TASK 818
		32-72750	32-62 TASK 818
		32-72760	32-62 TASK 809
		32-72790	32-62 TASK 821
		32-72800	32-62 TASK 821
		32-72810	32-62 TASK 822
		32-72820	32-62 TASK 822
		32-72840	32-62 TASK 818

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
326 011 00	GEAR INDICATION SYS (EICAS STATUS) Before you do any task listed here, see FIM 32-62 TASK 823. NOTE: AIMS CAN LATCH THIS MESSAGE.	(continued) 32-72850 32-72860 NONE	 32-62 TASK 818 32-62 TASK 809 32-62 TASK 823
326 021 41	L GEAR UPLOCK SENSOR (EICAS STATUS) Before you do any task listed here, see FIM 32-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.	 32-71220 32-71280 32-71282 32-71571 32-71572 32-71780 32-71920 32-72250 32-72441 32-72442 32-72451 32-72452 32-72630 32-72770	 32-07 TASK 815 32-07 TASK 809 32-07 TASK 810 32-07 TASK 811 32-07 TASK 813 32-62 TASK 811 32-62 TASK 808 32-07 TASK 835 32-07 TASK 829 32-07 TASK 831 32-07 TASK 829 32-07 TASK 831 32-62 TASK 812 32-62 TASK 810
326 021 42	R GEAR UPLOCK SENSOR (EICAS STATUS) Before you do any task listed here, see FIM 32-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.	 32-71220 32-71280 32-71282 32-71561 32-71562 32-71571 32-71572 32-71840	 32-07 TASK 815 32-07 TASK 809 32-07 TASK 810 32-07 TASK 811 32-07 TASK 813 32-07 TASK 811 32-07 TASK 813 32-62 TASK 811

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
326 021 42	R GEAR UPLOCK SENSOR (EICAS STATUS) Before you do any task listed here, see FIM 32-98 TASK 803. <u>NOTE:</u> AIMS CAN LATCH THIS MESSAGE.	(continued) 32-72020 32-72250 32-72441 32-72442 32-72451 32-72452 32-72680 32-72870	 32-62 TASK 808 32-07 TASK 835 32-07 TASK 829 32-07 TASK 831 32-07 TASK 829 32-07 TASK 831 32-62 TASK 812 32-62 TASK 810
326 031 41	L GEAR DOOR SENSOR (EICAS STATUS) Before you do any task listed here, see FIM 32-98 TASK 803. <u>NOTE:</u> AIMS CAN LATCH THIS MESSAGE.	32-71220 32-71280 32-71282 32-71561 32-71562 32-71571 32-71572 32-71810 32-71880 32-72250 32-72441 32-72442 32-72451 32-72452 32-72660 32-72730	32-07 TASK 815 32-07 TASK 809 32-07 TASK 810 32-07 TASK 811 32-07 TASK 813 32-07 TASK 811 32-07 TASK 813 32-62 TASK 811 32-62 TASK 817 32-07 TASK 835 32-07 TASK 829 32-07 TASK 831 32-07 TASK 829 32-07 TASK 831 32-62 TASK 812 32-62 TASK 818

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
326 031 42	R GEAR DOOR SENSOR (EICAS STATUS) Before you do any task listed here, see FIM 32-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.		
		32-71220	32-07 TASK 815
		32-71280	32-07 TASK 809
		32-71282	32-07 TASK 810
		32-71561	32-07 TASK 811
		32-71562	32-07 TASK 813
		32-71571	32-07 TASK 811
		32-71572	32-07 TASK 813
		32-71870	32-62 TASK 811
		32-71980	32-62 TASK 817
		32-72250	32-07 TASK 835
		32-72441	32-07 TASK 829
		32-72442	32-07 TASK 831
		32-72451	32-07 TASK 829
		32-72452	32-07 TASK 831
		32-72710	32-62 TASK 812
		32-72830	32-62 TASK 818
326 041 00	NOSE GEAR UP SENSOR (EICAS STATUS) Before you do any task listed here, see FIM 32-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.		
		32-71220	32-07 TASK 815
		32-71280	32-07 TASK 809
		32-71282	32-07 TASK 810
		32-71561	32-07 TASK 811
		32-71562	32-07 TASK 813
		32-71571	32-07 TASK 811
		32-71572	32-07 TASK 813
		32-71720	32-62 TASK 801
		32-71970	32-62 TASK 820
		32-72250	32-07 TASK 835
		32-72441	32-07 TASK 829
		32-72442	32-07 TASK 831
		32-72451	32-07 TASK 829

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
326 041 00	NOSE GEAR UP SENSOR (EICAS STATUS) Before you do any task listed here, see FIM 32-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.	(continued)	
		32-72452	32-07 TASK 831
		32-72570	32-62 TASK 804
		32-72820	32-62 TASK 822
326 051 00	NOSE GEAR DOOR SNSR (EICAS STATUS) Before you do any task listed here, see FIM 32-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.		
		32-71220	32-07 TASK 815
		32-71280	32-07 TASK 809
		32-71282	32-07 TASK 810
		32-71561	32-07 TASK 811
		32-71562	32-07 TASK 813
		32-71571	32-07 TASK 811
		32-71572	32-07 TASK 813
		32-71760	32-62 TASK 801
		32-71930	32-62 TASK 819
		32-72250	32-07 TASK 835
		32-72441	32-07 TASK 829
		32-72442	32-07 TASK 831
		32-72451	32-07 TASK 829
		32-72452	32-07 TASK 831
		32-72610	32-62 TASK 804
		32-72780	32-62 TASK 821
327 001 00	TAIL STRIKE (EICAS CAUTION)	32-71280	32-07 TASK 809
		32-71282	32-07 TASK 810
		32-71561	32-07 TASK 811
		32-71562	32-07 TASK 813
		32-71820	32-73 TASK 801
		32-72720	32-73 TASK 802
		32-73380	32-73 TASK 803
		32-73390	32-73 TASK 804
		32-73400	32-73 TASK 805

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
327 001 00	TAIL STRIKE (EICAS CAUTION)	(continued)	
		32-73410	32-73 TASK 806
		32-73420	32-73 TASK 803
		32-73430	32-73 TASK 804
		32-73440	32-73 TASK 807
		32-73450	32-73 TASK 808
327 011 01	TAIL STRIKE CHAN 1 (EICAS STATUS)	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
		31-69443	31-42 TASK 841
		31-69444	31-42 TASK 841
		31-69601	31-42 TASK 857
		31-69602	31-42 TASK 857
		31-69643	31-42 TASK 871
		31-69644	31-42 TASK 871
		32-71091	32-07 TASK 815
		32-71092	32-07 TASK 815
		32-71131	32-07 TASK 811
		32-71140	32-07 TASK 817
		32-71150	32-07 TASK 815
		32-71220	32-07 TASK 815
		32-71242	32-07 TASK 815
		32-71252	32-07 TASK 818
		32-71262	32-07 TASK 813
		32-71681	32-07 TASK 881
		32-71682	32-07 TASK 882

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
327 011 01	TAIL STRIKE CHAN 1 (EICAS STATUS)	(continued)	
		32-71820	32-73 TASK 801
		32-73380	32-73 TASK 803
		32-73400	32-73 TASK 805
		32-73410	32-73 TASK 806
		32-73420	32-73 TASK 803
		32-73481	32-07 TASK 914
		32-73482	32-07 TASK 915
		32-73501	32-07 TASK 914
		32-73502	32-07 TASK 915
		32-78841	32-06 TASK 801
		32-78863	32-06 TASK 803
327 011 02	TAIL STRIKE CHAN 2 (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
		31-69445	31-42 TASK 841
		31-69446	31-42 TASK 841
		31-69601	31-42 TASK 857
		31-69602	31-42 TASK 857
		31-69645	31-42 TASK 871
		31-69646	31-42 TASK 871
		32-71571	32-07 TASK 811
		32-71572	32-07 TASK 813
		32-72131	32-07 TASK 835
		32-72132	32-07 TASK 835
		32-72182	32-07 TASK 831

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327 011 02	TAIL STRIKE CHAN 2 (EICAS STATUS)	(continued)	
		32-72192	32-07 TASK 844
		32-72202	32-07 TASK 835
		32-72250	32-07 TASK 835
		32-72271	32-07 TASK 835
		32-72281	32-07 TASK 845
		32-72291	32-07 TASK 829
		32-72441	32-07 TASK 829
		32-72442	32-07 TASK 831
		32-72451	32-07 TASK 829
		32-72452	32-07 TASK 831
		32-72531	32-07 TASK 894
		32-72532	32-07 TASK 895
		32-72720	32-73 TASK 802
		32-73390	32-73 TASK 804
		32-73430	32-73 TASK 804
		32-73440	32-73 TASK 807
		32-73450	32-73 TASK 808
		32-73491	32-07 TASK 912
		32-73492	32-07 TASK 913
		32-73511	32-07 TASK 912
		32-73512	32-07 TASK 913
		32-78842	32-06 TASK 802
		32-78864	32-06 TASK 804
327 021 00	TAIL SKID (EICAS ADVISORY)	32-71282	32-07 TASK 810
		32-72712	32-74 TASK 801
		32-72714	32-74 TASK 801
		32-72882	32-74 TASK 802
		32-72884	32-74 TASK 802
327 022 00	TAIL SKID (EICAS STATUS) Before you do any task listed here, see FIM 32-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.		
		32-71282	32-07 TASK 810
		32-72712	32-74 TASK 801
		32-72714	32-74 TASK 801

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FAULT CODE	FAULT DESCRIPTION	MAINT MSG	GO TO FIM TASK
327 022 00	TAIL SKID (EICAS STATUS) Before you do any task listed here, see FIM 32-98 TASK 803. NOTE: AIMS CAN LATCH THIS MESSAGE.	(continued)	
		32-72882	32-74 TASK 802
		32-72884	32-74 TASK 802
327 023 00	TAIL SKID SENSOR (EICAS STATUS)	32-71282	32-07 TASK 810
		32-71288	32-07 TASK 822
		32-71289	32-07 TASK 822
		32-71293	32-07 TASK 821
		32-71294	32-07 TASK 821
		32-71295	32-07 TASK 822
		32-71296	32-07 TASK 822
		32-71297	32-07 TASK 823
		32-71298	32-07 TASK 823
		32-72131	32-07 TASK 835
		32-72132	32-07 TASK 835
		32-72712	32-74 TASK 801
		32-72714	32-74 TASK 801
		32-72882	32-74 TASK 802
		32-72884	32-74 TASK 802

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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
32-21000*	AIMS-2, CMCF LDI 3114-BCG-00W-16; Weight-On-Wheels Card-(right) has an internal fault. 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; Weight-On-Wheels card-(right) has an internal fault.	32-09 TASK 807
32-21001*	AIMS-2, CMCF LDI 3114-BCG-00W-16; Weight-On-Wheels Card-(left) has an internal fault. 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; Weight-On-Wheels card-(left) has an internal fault.	32-09 TASK 808
32-21100*	AIMS-2, CMCF LDI 3114-BCG-00W-16; Weight-On-Wheels Card-(right) Program Pins are incorrect or are incompatible with software. 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; Weight-On-Wheels card-(right) program pins are incorrect or are incompatible with software.	32-09 TASK 802
32-21101*	AIMS-2, CMCF LDI 3114-BCG-00W-16; Weight-On-Wheels Card-(left) Program Pins are incorrect or are incompatible with software. 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; Weight-On-Wheels card-(left) program pins are incorrect or are incompatible with software.	32-09 TASK 801
32-21300*	AIMS-2, CMCF LDI 3114-BCG-00W-16; Weight-On-Wheels Card-(left) has no output on ARINC 429 cross-channel calibration bus. 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; Weight-On-Wheels card-(left) has no output on ARINC 429 cross-channel calibration bus.	32-09 TASK 803

*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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32-21301*	AIMS-2, CMCF LDI 3114-BCG-00W-16; Weight-On-Wheels Card-(right) has no output on ARINC 429 cross-channel calibration bus. 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; Weight-On-Wheels card-(right) has no output on ARINC 429 cross-channel calibration bus.	32-09 TASK 804
32-22000*	Load sensor - (right MLG beam, right sytem) is failed.	32-09 TASK 809
32-22001*	AIMS-2, CMCF LDI 3114-BCG-00W-16; Load Sensor - (right MLG beam,left system) is failed. 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; Load sensor - (right MLG beam,left system) is failed.	32-09 TASK 809
32-22010	Load sensor - (right MLG beam, right sytem) signal is open or shorted.	32-09 TASK 810
32-22011	AIMS-2, CMCF LDI 3114-BCG-00W-16; Load Sensor - (right MLG beam,left system) signal is open or shorted. 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; Load sensor - (right MLG beam,left system) signal is open or shorted.	32-09 TASK 811
32-22020	Load sensor - (right MLG beam, right sytem) is not calibrated.	32-09 TASK 840
32-22021	AIMS-2, CMCF LDI 3114-BCG-00W-16; Load Sensor - (right MLG beam,left system) is not calibrated. 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; Load sensor - (right MLG beam,left system) is not calibrated.	32-09 TASK 840

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

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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
32-22100*	AIMS-2, CMCF LDI 3114-BCG-00W-16; Load Sensor - (left MLG beam, right system) is failed. 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; Load sensor - (left MLG beam, right system) is failed.	32-09 TASK 809
32-22101*	AIMS-2, CMCF LDI 3114-BCG-00W-16; Load Sensor - (left MLG beam, left system) is failed. 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; Load sensor - (left MLG beam, left system) is failed.	32-09 TASK 809
32-22110	AIMS-2, CMCF LDI 3114-BCG-00W-16; Load Sensor - (left MLG beam, right system) signal is open or shorted. 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; Load sensor - (left MLG beam, right system) signal is open or shorted.	32-09 TASK 812
32-22111	AIMS-2, CMCF LDI 3114-BCG-00W-16; Load Sensor - (left MLG beam, left system) signal is open or shorted. 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; Load sensor - (left MLG beam, left system) signal is open or shorted.	32-09 TASK 805
32-22120	AIMS-2, CMCF LDI 3114-BCG-00W-16; Load Sensor - (left MLG beam, right system) is not calibrated. 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; Load sensor - (left MLG beam, right system) is not calibrated.	32-09 TASK 840

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

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32-22121	AIMS-2, CMCF LDI 3114-BCG-00W-16; Load Sensor - (left MLG beam,left system) is not calibrated. 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; Load sensor - (left MLG beam,left system) is not calibrated.	32-09 TASK 840
32-23001	Relay air mode master (right) in P210 is not in commanded position.	32-09 TASK 841
32-23011	Relay ground mode master (right) in P210 is not in commanded position.	32-09 TASK 842
32-23021	Air/Ground relays in ELMS P210 panel are not powered.	32-09 TASK 843
32-23102	Relay air mode master (left) in P110 is not in commanded position.	32-09 TASK 844
32-23112	Relay ground mode master (left) in P110 is not in commanded position.	32-09 TASK 845
32-23122	Air/Ground Relays in ELMS P110 are not powered.	32-09 TASK 846
32-23201	Relay air mode master (standby) in P310 is not in commanded position.	32-09 TASK 847
32-23210	Relay ground mode master (standby) in P310 is not in commanded position.	32-09 TASK 818
32-23211	Relay ground mode master (standby) in P310 is not in commanded position.	32-09 TASK 848
32-23221	Air/Ground Relays in ELMS P310 panel are not powered.	32-09 TASK 849
32-28010	Maint/test switch enable - M31005 analog discretes are failed.	32-09 TASK 819
32-28012	Maint/test switch enable - M31005 analog discretes are failed.	32-09 TASK 820
32-28801*	Weight-On-Wheels Card-(left) has no output on any bus.	32-09 TASK 821
32-28802*	Weight-On-Wheels Card-(right) has no output on any bus.	32-09 TASK 822
32-28891	Weight-On-Wheels Card-(left) has no output on WOW ARINC 429 Bus.	32-09 TASK 823
32-28892	Weight-On-Wheels Card-(right) has no output on WOW ARINC 429 Bus.	32-09 TASK 824
32-30010	Brake System Control Unit power from LG ANTISKID 1,5,9/ 3,7,11 CB1 is not available.	32-42 TASK 822
32-30020	Brake System Control Unit power from LG ANTISKID 2,6,10/ 4,8,12 CB1 is not available.	32-42 TASK 823
32-30030	Brake System Control Unit power from LG ANTISKID 1,5,9/ 3,7,11 CB2 is not available.	32-42 TASK 824
32-30040	Brake System Control Unit power from LG ANTISKID 2,6,10/ 4,8,12 CB2 is not available.	32-42 TASK 825

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32-30050	Normal antiskid valve (1) is unserviceable.	32-42 TASK 801
32-30060	Normal antiskid valve (2) is unserviceable.	32-42 TASK 801
32-30070	Normal antiskid valve (3) is unserviceable.	32-42 TASK 801
32-30080	Normal antiskid valve (4) is unserviceable.	32-42 TASK 801
32-30090	Normal antiskid valve (5) is unserviceable.	32-42 TASK 801
32-30100	Normal antiskid valve (6) is unserviceable.	32-42 TASK 801
32-30110	Normal antiskid valve (7) is unserviceable.	32-42 TASK 801
32-30120	Normal antiskid valve (8) is unserviceable.	32-42 TASK 801
32-30130	Normal antiskid valve (9) is unserviceable.	32-42 TASK 801
32-30140	Normal antiskid valve (10) is unserviceable.	32-42 TASK 801
32-30150	Normal antiskid valve (11) is unserviceable.	32-42 TASK 801
32-30160	Normal antiskid valve (12) is unserviceable.	32-42 TASK 801
32-30170	Alternate antiskid valve (1&5) is unserviceable.	32-42 TASK 802
32-30180	Alternate antiskid valve (2&6) is unserviceable.	32-42 TASK 802
32-30190	Alternate antiskid valve (3&7) is unserviceable.	32-42 TASK 802
32-30200	Alternate antiskid valve (4&8) is unserviceable.	32-42 TASK 802
32-30210	Alternate antiskid valve (9) is unserviceable.	32-42 TASK 802
32-30220	Alternate antiskid valve (10) is unserviceable.	32-42 TASK 802
32-30230	Alternate antiskid valve (11) is unserviceable.	32-42 TASK 802
32-30240	Alternate antiskid valve (12) is unserviceable.	32-42 TASK 802
32-30250	Wheelspeed transducer (1) is unserviceable.	32-42 TASK 803
32-30260	Wheelspeed transducer (2) is unserviceable.	32-42 TASK 803
32-30270	Wheelspeed transducer (3) is unserviceable.	32-42 TASK 803
32-30280	Wheelspeed transducer (4) is unserviceable.	32-42 TASK 803
32-30290	Wheelspeed transducer (5) is unserviceable.	32-42 TASK 803
32-30300	Wheelspeed transducer (6) is unserviceable.	32-42 TASK 803
32-30310	Wheelspeed transducer (7) is unserviceable.	32-42 TASK 803
32-30320	Wheelspeed transducer (8) is unserviceable.	32-42 TASK 803
32-30330	Wheelspeed transducer (9) is unserviceable.	32-42 TASK 803
32-30340	Wheelspeed transducer (10) is unserviceable.	32-42 TASK 803
32-30350	Wheelspeed transducer (11) is unserviceable.	32-42 TASK 803
32-30360	Wheelspeed transducer (12) is unserviceable.	32-42 TASK 803
32-30370	Parking Brake Valve position signal does not agree with signal from Parking Brake Lever Position Switch.	32-44 TASK 801
32-30380	Autobrake valve module operation is unsatisfactory.	32-42 TASK 804

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32-30390	Autobrake solenoid valve press switch is unserviceable.	32-42 TASK 805
32-30400	Pressure transducer (Autobrake) is unserviceable.	32-42 TASK 806
32-30420	Autobrake selector switch is unserviceable.	32-42 TASK 807
32-30430	Thrust lever switch (L1) is unserviceable.	32-42 TASK 808
32-30440	Thrust lever switch (L2) is unserviceable.	32-42 TASK 826
32-30450	Thrust lever switch (R1) is unserviceable.	32-42 TASK 827
32-30460	Thrust lever switch (R2) is unserviceable.	32-42 TASK 828
32-30490	Brake System Control Unit power from LG AUTOBRAKE/BITE/R-COMM CB1 & CB2 is not available.	32-42 TASK 809
32-30500	Brake System Control Unit power from LG BRAKE CONTROL BITE/L-COMM is not available.	32-42 TASK 810
32-30510	Pressure transducer (Alternate,R) is unserviceable.	32-41 TASK 807
32-30520	Pressure transducer (Normal,R) is unserviceable.	32-41 TASK 807
32-30530	Pressure transducer (Alternate,L) is unserviceable.	32-41 TASK 807
32-30540	Pressure transducer (Normal,L) is unserviceable.	32-41 TASK 807
32-30630	AIMS-2, CMCF LDI 3114-BCG-00W-16; Brake System Control Unit has an internal fault. 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; Brake system control unit has an internal fault.	32-42 TASK 815
32-30650	Autobrake valve module is unserviceable.	32-42 TASK 812
32-30660	Normal brake hydraulic sys press sw is unserviceable.	32-41 TASK 801
32-30670	Alternate brake hydraulic sys press sw is unserviceable.	32-41 TASK 802
32-30680	AIMS-2, CMCF LDI 3114-BCG-00W-16; Parking Brake Lever Position Switch is unserviceable. 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; Parking brake lever position switch is unserviceable.	32-44 TASK 802
32-30690	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; Parking Brake Valve is unserviceable. AIMS-2, CMCF LDI 3114-BCG-00W-16; Parking brake valve is unserviceable.	32-44 TASK 803

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32-30700	Autobrake solenoid valve is energized by an unknown source.	32-42 TASK 830
32-30701	Brake System Control Unit PIN Program do not agree.	32-42 TASK 833
32-30702	AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Brake System Control Unit PIN Program is Invalid. AIMS-2, CMCF LDI 3114-BCG-00W-16; Brake System Control Unit PIN Program is invalid.	32-42 TASK 833
32-30703	AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Brake System Control Unit ABC OPS is Invalid. AIMS-2, CMCF LDI 3114-BCG-00W-16; Brake System Control Unit ABC OPS is invalid.	32-42 TASK 834
32-30704	AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Brake System Control Unit Antiskid OPS is Invalid. AIMS-2, CMCF LDI 3114-BCG-00W-16; Brake System Control Unit Antiskid OPS is invalid.	32-42 TASK 834
32-30705	AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Brake System Control Unit OPC is Invalid. AIMS-2, CMCF LDI 3114-BCG-00W-16; Brake System Control Unit OPC is invalid.	32-42 TASK 834
32-38801	AIMS-2, CMCF LDI 3114-BCG-00W-16; Brake System Control Unit has no output on any bus. 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; Brake system control unit has no output on any bus.	32-42 TASK 815
32-38840	Brake System Control Unit has no output on System ARINC 629 Bus (left).	32-42 TASK 811
32-38860	Brake System Control Unit has no output on System ARINC 629 Bus (right).	32-42 TASK 829

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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
32-39401	AIMS-2, CMCF LDI 3114-BCG-00W-16; Brake System Control Unit 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; Brake system control unit has no input from any LRU on System ARINC 629 Bus (left).	32-42 TASK 811
32-39405	Brake System Control Unit has no input from PSEU 1 (L1) on System ARINC 629 Bus (left).	32-42 TASK 813
32-39407	Brake System Control Unit has no input from Left AIMS on System ARINC 629 Bus (left).	32-42 TASK 814
32-39408	Brake System Control Unit has no input from Right AIMS on System ARINC 629 Bus (left).	32-42 TASK 817
32-39601	AIMS-2, CMCF LDI 3114-BCG-00W-16; Brake System Control Unit 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; Brake system control unit has no input from any LRU on System ARINC 629 Bus (right).	32-42 TASK 829
32-39605	Brake System Control Unit has no input from PSEU 1 (R1) on System ARINC 629 Bus (right).	32-42 TASK 818
32-39606	Brake System Control Unit has no input from PSEU 2 (R2) on System ARINC 629 Bus (right).	32-42 TASK 819
32-39607	Brake System Control Unit has no input from Left AIMS on System ARINC 629 Bus (right).	32-42 TASK 820
32-39608	Brake System Control Unit has no input from Right AIMS on System ARINC 629 Bus (right).	32-42 TASK 821
32-42010	Brake temperature compensation module (L) circuit is open or shorted.	32-46 TASK 801
32-42020	Brake temperature compensation module (R) circuit is open or shorted.	32-46 TASK 806
32-43010	Brake temperature sensor (01) circuit is open.	32-46 TASK 802
32-43020	Brake temperature sensor (02) circuit is open.	32-46 TASK 802
32-43030	Brake temperature sensor (03) circuit is open.	32-46 TASK 807
32-43040	Brake temperature sensor (04) circuit is open.	32-46 TASK 807
32-43050	Brake temperature sensor (05) circuit is open.	32-46 TASK 802

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32-43060	Brake temperature sensor (06) circuit is open.	32-46 TASK 802
32-43070	Brake temperature sensor (07) circuit is open.	32-46 TASK 807
32-43080	Brake temperature sensor (08) circuit is open.	32-46 TASK 807
32-43090	Brake temperature sensor (09) circuit is open.	32-46 TASK 802
32-43100	Brake temperature sensor (10) circuit is open.	32-46 TASK 802
32-43110	Brake temperature sensor (11) circuit is open.	32-46 TASK 807
32-43120	Brake temperature sensor (12) circuit is open.	32-46 TASK 807
32-43194	AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Brake Temperature Channel Program Pin Disagree. AIMS-2, CMCF LDI 3114-BCG-00W-16; Brake Temperature Channel Program Pin disagree.	32-46 TASK 814
32-43197	Brake Temperature Channel Program Pin Configuration is invalid.	32-46 TASK 813
32-48840	AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3114-BCG-00W-16; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Brake Temperature Channel has no output on System ARINC 629 Bus (left). AIMS-1, CPM/Comm OPS S/W 3166-HNP-002-11; Brake Temperature Monitor Unit has no output on System ARINC 629 Bus (left).	32-46 TASK 803
32-54145	Tire Pressure In-axle Transformer (01) or wiring is open or shorted.	32-49 TASK 814
32-54149	Tire Pressure In-axle Transformer (02) or wiring is open or shorted.	32-49 TASK 814
32-54153	Tire Pressure In-axle Transformer (03) or wiring is open or shorted.	32-49 TASK 814
32-54157	Tire Pressure In-axle Transformer (04) or wiring is open or shorted.	32-49 TASK 814
32-54161	Tire Pressure In-axle Transformer (05) or wiring is open or shorted.	32-49 TASK 814
32-54165	Tire Pressure In-axle Transformer (06) or wiring is open or shorted.	32-49 TASK 814
32-54169	Tire Pressure In-axle Transformer (07) or wiring is open or shorted.	32-49 TASK 814
32-54173	Tire Pressure In-axle Transformer (08) or wiring is open or shorted.	32-49 TASK 814

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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
32-54177	Tire Pressure In-axle Transformer (09) or wiring is open or shorted.	32-49 TASK 814
32-54181	Tire Pressure In-axle Transformer (10) or wiring is open or shorted.	32-49 TASK 814
32-54185	Tire Pressure In-axle Transformer (11) or wiring is open or shorted.	32-49 TASK 814
32-54189	Tire Pressure In-axle Transformer (12) or wiring is open or shorted.	32-49 TASK 814
32-54193	Tire Pressure In-axle Transformer (13) or wiring is open or shorted.	32-49 TASK 814
32-54197	Tire Pressure In-axle Transformer (14) or wiring is open or shorted.	32-49 TASK 814
32-54201	AIMS-2, CMCF LDI 3114-BCG-00W-16; Tire Pressure Sensor (01) 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; Tire pressure sensor (01) has an internal fault.	32-49 TASK 809
32-54205	Tire pressure sensor (02) has an internal fault.	32-49 TASK 809
32-54209	AIMS-2, CMCF LDI 3114-BCG-00W-16; Tire Pressure Sensor (03) 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; Tire pressure sensor (03) has an internal fault.	32-49 TASK 809
32-54213	AIMS-2, CMCF LDI 3114-BCG-00W-16; Tire Pressure Sensor (04) 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; Tire pressure sensor (04) has an internal fault.	32-49 TASK 809
32-54217	AIMS-2, CMCF LDI 3114-BCG-00W-16; Tire Pressure Sensor (05) 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; Tire pressure sensor (05) has an internal fault.	32-49 TASK 809

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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
32-54221	AIMS-2, CMCF LDI 3114-BCG-00W-16; Tire Pressure Sensor (06) 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; Tire pressure sensor (06) has an internal fault.	32-49 TASK 809
32-54225	Tire pressure sensor (07) has an internal fault.	32-49 TASK 809
32-54229	AIMS-2, CMCF LDI 3114-BCG-00W-16; Tire Pressure Sensor (08) 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; Tire pressure sensor (08) has an internal fault.	32-49 TASK 809
32-54233	AIMS-2, CMCF LDI 3114-BCG-00W-16; Tire Pressure Sensor (09) 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; Tire pressure sensor (09) has an internal fault.	32-49 TASK 809
32-54237	AIMS-2, CMCF LDI 3114-BCG-00W-16; Tire Pressure Sensor (10) 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; Tire pressure sensor (10) has an internal fault.	32-49 TASK 809
32-54241	AIMS-2, CMCF LDI 3114-BCG-00W-16; Tire Pressure Sensor (11) 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; Tire pressure sensor (11) has an internal fault.	32-49 TASK 809
32-54245	Tire pressure sensor (12) has an internal fault.	32-49 TASK 809
32-54249	AIMS-2, CMCF LDI 3114-BCG-00W-16; Tire Pressure Sensor (13) 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; Tire pressure sensor (13) has an internal fault.	32-49 TASK 809

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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
32-54253	AIMS-2, CMCF LDI 3114-BCG-00W-16; Tire Pressure Sensor (14) 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; Tire pressure sensor (14) has an internal fault.	32-49 TASK 809
32-54257	Tire Pressure Relay Transformer (01) or wiring is open or shorted or Pressure Sensor (01) failed.	32-49 TASK 815
32-54261	Tire Pressure Relay Transformer (02) or wiring is open or shorted or Pressure Sensor (02) failed.	32-49 TASK 815
32-54265	Tire Pressure Relay Transformer (03) or wiring is open or shorted or Pressure Sensor (03) failed.	32-49 TASK 815
32-54269	Tire Pressure Relay Transformer (04) or wiring is open or shorted or Pressure Sensor (04) failed.	32-49 TASK 815
32-54273	Tire Pressure Relay Transformer (05) or wiring is open or shorted or Pressure Sensor (05) failed.	32-49 TASK 815
32-54277	Tire Pressure Relay Transformer (06) or wiring is open or shorted or Pressure Sensor (06) failed.	32-49 TASK 815
32-54281	Tire Pressure Relay Transformer (07) or wiring is open or shorted or Pressure Sensor (07) failed.	32-49 TASK 815
32-54285	Tire Pressure Relay Transformer (08) or wiring is open or shorted or Pressure Sensor (08) failed.	32-49 TASK 815
32-54289	Tire Pressure Relay Transformer (09) or wiring is open or shorted or Pressure Sensor (09) failed.	32-49 TASK 815
32-54293	Tire Pressure Relay Transformer (10) or wiring is open or shorted or Pressure Sensor (10) failed.	32-49 TASK 815
32-54297	Tire Pressure Relay Transformer (11) or wiring is open or shorted or Pressure Sensor (11) failed.	32-49 TASK 815
32-54301	Tire Pressure Relay Transformer (12) or wiring is open or shorted or Pressure Sensor (12) failed.	32-49 TASK 815
32-54305	Tire Pressure Relay Transformer (13) or wiring is open or shorted or Pressure Sensor (13) failed.	32-49 TASK 815
32-54309	Tire Pressure Relay Transformer (14) or wiring is open or shorted or Pressure Sensor (14) failed.	32-49 TASK 815
32-54313	Tire and Brake Monitor Unit has an internal fault.	32-49 TASK 810
32-54317	AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Tire Pressure Channel Program Pin Disagree. AIMS-2, CMCF LDI 3114-BCG-00W-16; Tire Pressure Channel Program Pin disagree.	32-49 TASK 812

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32-54321	Tire Pressure Channel Program Pin Configuration is invalid.	32-49 TASK 813
32-54325	Tire Pressure Sensor (01) has loss of redundant data.	32-49 TASK 811
32-54329	AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Tire Pressure Sensor (02) has loss of redundant data. AIMS-2, CMCF LDI 3114-BCG-00W-16; Tire pressure sensor (02) has loss of redundant data.	32-49 TASK 811
32-54333	Tire Pressure Sensor (03) has loss of redundant data.	32-49 TASK 811
32-54337	Tire Pressure Sensor (04) has loss of redundant data.	32-49 TASK 811
32-54341	Tire Pressure Sensor (05) has loss of redundant data.	32-49 TASK 811
32-54345	Tire Pressure Sensor (06) has loss of redundant data.	32-49 TASK 811
32-54349	AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Tire Pressure Sensor (07) has loss of redundant data. AIMS-2, CMCF LDI 3114-BCG-00W-16; Tire pressure sensor (07) has loss of redundant data.	32-49 TASK 811
32-54353	Tire Pressure Sensor (08) has loss of redundant data.	32-49 TASK 811
32-54357	Tire Pressure Sensor (09) has loss of redundant data.	32-49 TASK 811
32-54361	Tire Pressure Sensor (10) has loss of redundant data.	32-49 TASK 811
32-54365	Tire Pressure Sensor (11) has loss of redundant data.	32-49 TASK 811
32-54369	AIMS-2, CMCF LDI 3111-BCG-00W-13; AIMS-2, CMCF LDI 3116-BCG-00W-14; AIMS-2, CMCF LDI 3117-BCG-00W-15; Tire Pressure Sensor (12) has loss of redundant data. AIMS-2, CMCF LDI 3114-BCG-00W-16; Tire pressure sensor (12) has loss of redundant data.	32-49 TASK 811
32-54373	Tire Pressure Sensor (13) has loss of redundant data.	32-49 TASK 811
32-54377	Tire Pressure Sensor (14) has loss of redundant data.	32-49 TASK 811
32-61010	Main Gear Steering (MN GR STRG LKD1) circuit is open or shorted.	32-53 TASK 802
32-61020	Main Gear Steering (MN GR STRG LKD2) circuit is open or shorted.	32-53 TASK 807
32-61030	Main Gear Steering (MN GR STRG LKD3) circuit is open or shorted.	32-53 TASK 808
32-62010	NG Steering Position Transducer (FO) circuit is open or shorted.	32-53 TASK 809
32-62020	NG Steering Position Transducer (Capt) circuit is open or shorted.	32-53 TASK 803

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32-62030	Position signals from NG Steering Position Transducer (FO) and NG Steering Position Transducer (Capt) do not agree.	32-53 TASK 804
32-63010	MG Steering Power Control Actuator (Left) is unserviceable.	32-53 TASK 805
32-63020	MG Steering Power Control Actuator (Right) is unserviceable.	32-53 TASK 810
32-64000	Main Gear Steering Control Unit has an internal fault.	32-53 TASK 811
32-68840	Main Gear Steering Control Unit has no output on System ARINC 629 Bus (left).	32-53 TASK 801
32-69401	Main Gear Steering Control Unit has no input from Left AIMS on System ARINC 629 Bus (left).	32-53 TASK 806
32-69402	Main Gear Steering Control Unit has no input from Right AIMS on System ARINC 629 Bus (left).	32-53 TASK 812
32-71002	PSEU1_R1 has an ARINC 429 fault.	32-07 TASK 801
32-71011	PSEU 1 (R1) has an ARINC 429 fault.	32-07 TASK 801
32-71021	PSEU 2 (R2) has an ARINC 429 fault.	32-07 TASK 824
32-71022	PSEU 2 (R2) has an ARINC 429 fault.	32-07 TASK 825
32-71031	PSEU 2 (L2) has an ARINC 429 fault.	32-07 TASK 825
32-71032	PSEU 2 (L2) has an ARINC 429 fault.	32-07 TASK 826
32-71041	PSEU 1 (L1) has an ARINC 429 fault.	32-07 TASK 812
32-71042	PSEU 1 (R1) has an ARINC 429 fault.	32-07 TASK 814
32-71051	PSEU 1 (L1) has an ARINC 429 fault.	32-07 TASK 802
32-71052	PSEU 1 has an internal fault.	32-07 TASK 803
32-71061	PSEU 1 (L1) has no input from PSEU 2 (L2) on System ARINC 629 Bus (left).	32-07 TASK 827
32-71062	PSEU 1 (R1) has no input from PSEU 2 (R2) on System ARINC 629 Bus (right).	32-07 TASK 828
32-71071	PSEU 1 (L1) has no input from PSEU 2 (L2) on System ARINC 629 Bus (left).	32-07 TASK 827
32-71072	PSEU 1 (R1) has no input from PSEU 2 (R2) on System ARINC 629 Bus (right).	32-07 TASK 828
32-71081	PSEU 1 (L1) has no input from PSEU 2 (L2) on System ARINC 629 Bus (left).	32-07 TASK 827
32-71082	PSEU 1 (R1) has no input from PSEU 2 (R2) on System ARINC 629 Bus (right).	32-07 TASK 828
32-71091*	PSEU 1 (L1) has an internal fault.	32-07 TASK 815
32-71092*	PSEU 1 (R1) has an internal fault.	32-07 TASK 815
32-71101	PSEU 2 (L2) shows a fault.	32-07 TASK 804
32-71102	PSEU 2 (R2) shows a fault.	32-07 TASK 805

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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
32-71111	PSEU 2 (L2) shows a fault.	32-07 TASK 806
32-71112	PSEU 2 (R2) shows a fault.	32-07 TASK 808
32-71121	PSEU 2 (L2) shows a fault.	32-07 TASK 807
32-71122	PSEU 2 (R2) shows a fault.	32-07 TASK 807
32-71131*	CCA, Main Power Supply in PSEU 1 indicate a fault.	32-07 TASK 811
32-71140*	CCA, Comm Processor in PSEU 1 indicate a fault.	32-07 TASK 817
32-71150*	CCA, Comm Processor in PSEU 1 indicate a fault.	32-07 TASK 815
32-71161*	PSEU 1 (L1) has an internal fault.	32-07 TASK 811
32-71162*	PSEU 1 (R1) has an internal fault.	32-07 TASK 813
32-71170	CCA, Prox Driver PSEU 1 indicate a fault.	32-07 TASK 815
32-71181	PSEU 1 (L1) has an internal fault.	32-07 TASK 811
32-71182	PSEU 1 (R1) has an internal fault.	32-07 TASK 813
32-71190	CCA, Aux Driver in PSEU1 indicate a fault.	32-07 TASK 816
32-71201	PSEU 1 (L1) has an internal fault.	32-07 TASK 811
32-71202	PSEU 1 (R1) has an internal fault.	32-07 TASK 813
32-71220*	PSEU 1 (L1) indicate a fault.	32-07 TASK 815
32-71230*	CCA , Prox Driver in PSEU1 indicate a fault.	32-07 TASK 815
32-71242*	CCA, Comm Processor in PSEU1 induces a fault.	32-07 TASK 815
32-71252*	CCA, Comm Processor in PSEU1 induces a fault.	32-07 TASK 818
32-71262*	CCA, Main Power Supply in PSEU 1 indicate a fault.	32-07 TASK 813
32-71271*	PSEU 1 (L1) has an internal fault.	32-07 TASK 812
32-71272*	PSEU 1 (R1) has an internal fault.	32-07 TASK 814
32-71280*	PSEU 1 (L1) has incorrect software configuration.	32-07 TASK 809
32-71282*	PSEU 2 (R2) has incorrect software configuration.	32-07 TASK 810
32-71286	PSEU 1 (L1) has a fault.	32-07 TASK 928
32-71287	PSEU 1 (R1) has a fault.	32-07 TASK 928
32-71288*	PSEU 2 (R2) has a fault.	32-07 TASK 822
32-71289*	PSEU 2 (L2) has a fault.	32-07 TASK 822
32-71290	PSEU 1 (L1) has a fault.	32-07 TASK 819
32-71291	PSEU 1 (L1) has a fault.	32-07 TASK 820
32-71292	PSEU 1 (R1) has a fault.	32-07 TASK 820
32-71293*	PSEU 1 (L1) has detected a fault with the PSEU2.	32-07 TASK 821
32-71294*	PSEU 1 (R1) has detected a fault with the PSEU2.	32-07 TASK 821
32-71295*	PSEU 2 (L2) has a fault.	32-07 TASK 822

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32-71296*	PSEU 2 (R2) has a fault.	32-07 TASK 822
32-71297*	PSEU 2 (L2) has detected that PSEU1 has a fault.	32-07 TASK 823
32-71298*	PSEU 2 (R2) has detected that PSEU1 has a fault.	32-07 TASK 823
32-71301	PSEU 1 (L1) has a fault.	32-07 TASK 875
32-71302	PSEU 1 (R1) has a fault.	32-07 TASK 875
32-71331	PSEU 1 (L1) has a fault.	32-07 TASK 876
32-71332	PSEU 1 (R1) has a fault.	32-07 TASK 876
32-71351	PSEU 1 (L1) has a fault.	32-07 TASK 877
32-71352	PSEU 1 (R1) has a fault.	32-07 TASK 877
32-71392*	PSEU 2 (R2) has a fault.	32-07 TASK 879
32-71461*	PSEU 1 (L1) has an internal fault.	32-07 TASK 811
32-71462*	PSEU 1 (R1) has an internal fault.	32-07 TASK 813
32-71471	PSEU 1 (L1) has an internal fault.	32-07 TASK 811
32-71472	PSEU 1 (R1) has an internal fault.	32-07 TASK 813
32-71481*	PSEU 1 (R1) has an internal fault.	32-07 TASK 811
32-71482*	PSEU 1 (R1) has an internal fault.	32-07 TASK 813
32-71501*	PSEU 1 (L1) has an internal fault.	32-07 TASK 811
32-71502*	PSEU 1 (R1) has an internal fault.	32-07 TASK 813
32-71511	PSEU 1 (L1) has an internal fault.	32-07 TASK 811
32-71512	PSEU 1 (R1) has an internal fault.	32-07 TASK 813
32-71521	PSEU 1 (L1) has an internal fault.	32-07 TASK 811
32-71522	PSEU 1 (R1) has an internal fault.	32-07 TASK 813
32-71531	PSEU 1 (L1) has an internal fault.	32-07 TASK 811
32-71532	PSEU 1 (R1) has an internal fault.	32-07 TASK 813
32-71541	PSEU 1 (L1) has an internal fault.	32-07 TASK 811
32-71542	PSEU 1 (R1) has an internal fault.	32-07 TASK 813
32-71561*	PSEU 1 (L1) has an internal fault.	32-07 TASK 811
32-71562*	PSEU 1 (R1) has an internal fault.	32-07 TASK 813
32-71571*	PSEU 1 (L1) has an internal fault.	32-07 TASK 811
32-71572*	PSEU 1 (R1) has an internal fault.	32-07 TASK 813
32-71581*	PSEU 1 (L1) has an internal fault.	32-07 TASK 811
32-71582*	PSEU 1 (R1) has an internal fault.	32-07 TASK 813
32-71591*	PSEU 1 (L1) has an internal fault.	32-07 TASK 811
32-71592*	PSEU 1 (R1) has an internal fault.	32-07 TASK 813

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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
32-71650	PSEU 1 (L1) has an internal fault.	32-07 TASK 880
32-71661	PSEU 1 (L1) shows a fault.	32-07 TASK 815
32-71662	PSEU 1 (R1) shows a fault.	32-07 TASK 815
32-71671	PSEU 1 (L1) has an internal fault.	32-07 TASK 815
32-71672	PSEU 1 (R1) has an internal fault.	32-07 TASK 815
32-71681	PSEU 1 (L1) has a fault.	32-07 TASK 881
32-71682	PSEU 1 (R1) has a fault.	32-07 TASK 882
32-71691	PSEU 1 (L1) has an internal fault.	32-07 TASK 815
32-71692	PSEU 1 (R1) has an internal fault.	32-07 TASK 815
32-71701	PSEU 1 (L1) has an internal fault.	32-07 TASK 815
32-71702	PSEU 1 (R1) has an internal fault.	32-07 TASK 815
32-71720*	Prox Snsr NLG Up 1 circuit is open or shorted.	32-62 TASK 801
32-71730*	Prox Snsr NLG Locked 1 circuit is open or shorted.	32-62 TASK 801
32-71740*	Prox Snsr NLG Down 1 circuit is open or shorted.	32-62 TASK 801
32-71750*	Prox Snsr NLG Not Compressed 1 circuit is open or shorted.	32-62 TASK 801
32-71760*	Prox Snsr NLG Door Closed (1) circuit is open or shorted.	32-62 TASK 801
32-71770*	Prox Snsr L MLG Truck Tilt 1 circuit is open or shorted.	32-62 TASK 811
32-71775*	Prox Snsr SLG (L) circuit is open or shorted.	32-62 TASK 802
32-71780*	Prox Snsr L MLG Up & Locked 1 circuit is open or shorted.	32-62 TASK 811
32-71790*	Prox Snsr L MLG Drag Brace Down 1 circuit is open or shorted.	32-62 TASK 811
32-71800*	Prox Snsr L MLG Side Brace Down 1 circuit is open or shorted.	32-62 TASK 811
32-71810*	Prox Snsr L MLG Door Closed 1 circuit is open or shorted.	32-62 TASK 811
32-71820	CCA, Prox Driver in PSEU 1 has a discrete input fault.	32-73 TASK 801
32-71830*	Prox Snsr R MLG Truck Tilt (1) circuit is open or shorted.	32-62 TASK 811
32-71840*	Prox Snsr R MLG Up & Locked 1 circuit is open or shorted.	32-62 TASK 811
32-71850*	Prox Snsr R MLG Drag Brace Down 1 circuit is open or shorted.	32-62 TASK 811
32-71860*	Prox Snsr R MLG Side Brace Down 1 circuit is open or shorted.	32-62 TASK 811
32-71870*	Prox Snsr R MLG Door Closed 1 circuit is open or shorted.	32-62 TASK 811
32-71872	CCA, Prox Driver in PSEU 1 has a discrete input fault.	32-62 TASK 805
32-71874	CCA, Prox Driver in PSEU 1 has a discrete input fault.	32-62 TASK 813
32-71876	CCA, Prox Driver in PSEU 1 has a discrete input fault.	32-62 TASK 814
32-71880*	Target L MLG Door Closed (1) is out of position.	32-62 TASK 817
32-71890*	Target L MLG Drag Brace Down 1 is out of position.	32-62 TASK 817

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MAINT MESSAGE	MESSAGE TEXT	GO TO FIM TASK
32-71900*	Target L MLG Side Brace Down 1 is out of position.	32-62 TASK 817
32-71910*	Target L MLG Truck Tilt 1 is out of position.	32-62 TASK 807
32-71920*	Target L MLG Up & Locked 1 is out of position.	32-62 TASK 808
32-71930*	Target NLG Door Closed 1 is out of position.	32-62 TASK 819
32-71940*	Target NLG Down 1 is out of position.	32-62 TASK 819
32-71950*	Target NLG Locked 1 is out of position.	32-62 TASK 819
32-71960*	Target NLG Not Compressed 1 is out of position.	32-62 TASK 820
32-71970*	Target NLG Up 1 is out of position.	32-62 TASK 820
32-71980*	Target R MLG Door Closed 1 is out of position.	32-62 TASK 817
32-71990*	Target R MLG Drag Brace Down 1 is out of position.	32-62 TASK 817
32-72000*	Target R MLG Side Brace Down 1 is out of position.	32-62 TASK 817
32-72010*	Target R MLG Truck Tilt 1 is out of position.	32-62 TASK 807
32-72020*	Target R MLG Up & Locked 1 is out of position.	32-62 TASK 808
32-72041	PSEU 1 (L1) has an ARINC 429 fault.	32-07 TASK 883
32-72042	PSEU 1 (R1) has an ARINC 429 fault.	32-07 TASK 884
32-72051	PSEU 1 (L1) has an ARINC 429 fault.	32-07 TASK 885
32-72052	PSEU 1 (R1) has an ARINC 429 fault.	32-07 TASK 886
32-72061	PSEU 2 (R2) has an ARINC 429 fault.	32-07 TASK 887
32-72062	PSEU 2 (L2) has an ARINC 429 fault.	32-07 TASK 888
32-72071	PSEU 2 (L2) has an ARINC 429 fault.	32-07 TASK 830
32-72072	PSEU 2 (R2) has an ARINC 429 fault.	32-07 TASK 832
32-72081	PSEU 2 (L2) has an ARINC 429 fault.	32-07 TASK 833
32-72082	PSEU 2 (R2) has an ARINC 429 fault.	32-07 TASK 834
32-72091*	PSEU 2 (L2) has no input from PSEU 1 (L1) on System ARINC 629 Bus (left).	32-07 TASK 889
32-72092*	PSEU 2 (R2) has no input from PSEU 1 (R1) on System ARINC 629 Bus (right).	32-07 TASK 890
32-72101	PSEU 2 (L2) has no input from PSEU 1 (L1) on System ARINC 629 Bus (left).	32-07 TASK 889
32-72102	PSEU 2 (R2) has no input from PSEU 1 (R1) on System ARINC 629 Bus (right).	32-07 TASK 890
32-72111*	PSEU 2 (L2) has no input from PSEU 1 (L1) on System ARINC 629 Bus (left).	32-07 TASK 889
32-72112*	PSEU 2 (R2) has no input from PSEU 1 (R1) on System ARINC 629 Bus (right).	32-07 TASK 890

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32-72121	PSEU 2 (L2) has no input from PSEU 1 (L1) on System ARINC 629 Bus (left).	32-07 TASK 889
32-72122	PSEU 2 (R2) has no input from PSEU 1 (R1) on System ARINC 629 Bus (right).	32-07 TASK 890
32-72131*	PSEU 2 (L2) has an internal fault.	32-07 TASK 835
32-72132*	PSEU 2 (R2) has an internal fault.	32-07 TASK 835
32-72141	PSEU 2 (L2) shows a fault.	32-07 TASK 836
32-72142	PSEU 2 (R2) shows a fault.	32-07 TASK 837
32-72151	PSEU 1 (L1) shows a fault.	32-07 TASK 838
32-72152	PSEU 1 (R1) shows a fault.	32-07 TASK 839
32-72161*	PSEU 2 (L2) shows a fault.	32-07 TASK 840
32-72162*	PSEU 2 (R2) shows a fault.	32-07 TASK 841
32-72171	PSEU 1 (L1) shows a fault.	32-07 TASK 842
32-72172	PSEU 1 (R1) shows a fault.	32-07 TASK 843
32-72182	CCA, Main Power Supply in PSEU 2 indicate a fault.	32-07 TASK 831
32-72192	CCA, Comm Processor in PSEU 2 indicate a fault.	32-07 TASK 844
32-72202	CCA, Microprocessor in PSEU 2 indicate a fault.	32-07 TASK 835
32-72210*	CCA, Prox Driver in PSEU 2 indicate a fault.	32-07 TASK 835
32-72220*	CCA, Prox Driver in PSEU 2 indicate a fault.	32-07 TASK 835
32-72231*	PSEU 2 (L2) has an internal fault.	32-07 TASK 829
32-72232*	PSEU 2 (R2) has an internal fault.	32-07 TASK 831
32-72250*	CCA, Prox Driver in PSEU 2 indicate a fault.	32-07 TASK 835
32-72260*	CCA, Prox Driver in PSEU 2 indicate a fault.	32-07 TASK 835
32-72271	CCA, Microprocessor in PSEU 2 indicate a fault.	32-07 TASK 835
32-72274	CCA, Prox Driver in PSEU 2 has a discrete input fault.	32-62 TASK 816
32-72276	CCA, Prox Driver in PSEU 2 has a discrete input fault.	32-62 TASK 815
32-72281	CCA, Communication in PSEU 2 indicate a fault.	32-07 TASK 845
32-72291	CCA, Main Power Supply in PSEU 2 indicate a fault.	32-07 TASK 829
32-72301*	PSEU 2 (L2) has an internal fault.	32-07 TASK 830
32-72302*	PSEU 2 (R2) has an internal fault.	32-07 TASK 832
32-72321*	PSEU 2 (L2) has a fault.	32-07 TASK 878
32-72322*	PSEU 2 (R2) has a fault.	32-07 TASK 878
32-72351*	PSEU 2 (L2) has an internal fault.	32-07 TASK 829
32-72352*	PSEU 2 (R2) has an internal fault.	32-07 TASK 831
32-72371*	PSEU 2 (L2) has an internal fault.	32-07 TASK 829

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32-72372*	PSEU 2 (R2) has an internal fault.	32-07 TASK 831
32-72381*	PSEU 2 (L2) has an internal fault.	32-07 TASK 829
32-72382*	PSEU 2 (R2) has an internal fault.	32-07 TASK 831
32-72391*	PSEU 2 (L2) has an internal fault.	32-07 TASK 829
32-72392*	PSEU 2 (R2) has an internal fault.	32-07 TASK 831
32-72400*	PSEU 2 (L2) has an internal fault.	32-07 TASK 829
32-72410*	PSEU 2 (R2) has an internal fault.	32-07 TASK 831
32-72421*	PSEU 2 (L2) has an internal fault.	32-07 TASK 829
32-72422*	PSEU 2 (R2) has an internal fault.	32-07 TASK 831
32-72441*	PSEU 2 (L2) has an internal fault.	32-07 TASK 829
32-72442*	PSEU 2 (R2) has an internal fault.	32-07 TASK 831
32-72451*	PSEU 2 (L2) has an internal fault.	32-07 TASK 829
32-72452*	PSEU 2 (R2) has an internal fault.	32-07 TASK 831
32-72461*	PSEU 2 (L2) has an internal fault.	32-07 TASK 829
32-72462*	PSEU 2 (R2) has an internal fault.	32-07 TASK 831
32-72471*	PSEU 2 (L2) has an internal fault.	32-07 TASK 829
32-72472*	PSEU 2 (R2) has an internal fault.	32-07 TASK 831
32-72511	PSEU 2 (L2) shows a fault.	32-07 TASK 835
32-72512	PSEU 2 (R2) shows a fault.	32-07 TASK 835
32-72521	PSEU 2 (L2) has an internal fault.	32-07 TASK 835
32-72522	PSEU 2 (R2) has an internal fault.	32-07 TASK 835
32-72531	PSEU 2 (L2) has a fault.	32-07 TASK 894
32-72532	PSEU 2 (R2) has a fault.	32-07 TASK 895
32-72541	PSEU 2 (L2) has an internal fault.	32-07 TASK 835
32-72542	PSEU 2 (R2) has an internal fault.	32-07 TASK 835
32-72551	PSEU 2 (L2) has an internal fault.	32-07 TASK 835
32-72552	PSEU 2 (R2) has an internal fault.	32-07 TASK 835
32-72570*	Prox Snsr NLG Up 2 circuit is open or shorted.	32-62 TASK 804
32-72580*	Prox Snsr NLG Locked 2 circuit is open or shorted.	32-62 TASK 804
32-72590*	Prox Snsr NLG Down 2 circuit is open or shorted.	32-62 TASK 804
32-72600*	Prox Snsr NLG Not Comp (2) circuit is open or shorted.	32-62 TASK 804
32-72610*	Prox Snsr NLG Door Closed 2 circuit is open or shorted.	32-62 TASK 804
32-72620*	Prox Snsr L MLG Truck Tilt 2 circuit is open or shorted.	32-62 TASK 812
32-72630*	Prox Snsr L MLG Up & Locked 2 circuit is open or shorted.	32-62 TASK 812

*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
32-72640*	Prox Snsr L MLG Drag Brace Down 2 circuit is open or shorted.	32-62 TASK 812
32-72650*	Prox Snsr L MLG Side Brace Down 2 circuit is open or shorted.	32-62 TASK 812
32-72660*	Prox Snsr L MLG Door Closed 2 circuit is open or shorted.	32-62 TASK 812
32-72670*	Prox Snsr R MLG Truck Tilt 2 circuit is open or shorted.	32-62 TASK 812
32-72675*	Prox Snsr SLG R circuit is open or shorted.	32-62 TASK 803
32-72680*	Prox Snsr R MLG Up & Locked 2 circuit is open or shorted.	32-62 TASK 812
32-72690*	Prox Snsr R MLG Drag Brace Down 2 circuit is open or shorted.	32-62 TASK 812
32-72700*	Prox Snsr R MLG Side Brace Down 2 circuit is open or shorted.	32-62 TASK 812
32-72710*	Prox Snsr R MLG Door Closed 2 circuit is open or shorted.	32-62 TASK 812
32-72712*	Prox Snsr Tail Skid Down circuit is open or shorted.	32-74 TASK 801
32-72714*	Prox Snsr Tail Skid Up circuit is open or shorted.	32-74 TASK 801
32-72720	CCA, Prox Driver PSEU 2 has a discrete input fault.	32-73 TASK 802
32-72722	CCA, Prox Driver in PSEU 2 has a discrete input fault.	32-62 TASK 806
32-72730*	Target L MLG Door Closed 2 is out of position.	32-62 TASK 818
32-72740*	Target L MLG Drag Brace Down 2 is out of position.	32-62 TASK 818
32-72750*	Target L MLG Side Brace Down 2 is out of position.	32-62 TASK 818
32-72760*	Target L MLG Truck Tilt 2 is out of position.	32-62 TASK 809
32-72770*	Target L MLG Up & Locked 2 is out of position.	32-62 TASK 810
32-72780*	Target NLG Door Closed (2) is out of position.	32-62 TASK 821
32-72790*	Target NLG Down 2 is out of position.	32-62 TASK 821
32-72800*	Target NLG Locked 2 is out of position.	32-62 TASK 821
32-72810*	Target NLG Not Compressed 2 is out of position.	32-62 TASK 822
32-72820*	Target NLG Up 2 is out of position.	32-62 TASK 822
32-72830*	Target R MLG Door Closed 2 is out of position.	32-62 TASK 818
32-72840*	Target R MLG Drag Brace Down 2 is out of position.	32-62 TASK 818
32-72850*	Target R MLG Side Brace Down 2 is out of position.	32-62 TASK 818
32-72860*	Target R MLG Truck Tilt 2 is out of position.	32-62 TASK 809
32-72870*	Target R MLG Up & Locked 2 is out of position.	32-62 TASK 810
32-72882*	Target Tail Skid Up is out of position.	32-74 TASK 802
32-72884*	Target Tail Skid Down is out of position.	32-74 TASK 802
32-72891	PSEU 1 (L1) shows a fault.	32-07 TASK 891
32-72892	PSEU 1 (R1) shows a fault.	32-07 TASK 891
32-72901	PSEU 2 (L2) shows a fault.	32-07 TASK 892

*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
32-72902	PSEU 2 (R2) shows a fault.	32-07 TASK 892
32-73310	CCA, Landing Gear Driver B in PSEU 1 analog output discretes are connected incorrectly.	32-07 TASK 896
32-73320	CCA, Landing Gear Driver B in PSEU 1 analog output discretes are connected incorrectly.	32-07 TASK 924
32-73321*	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; CCA, Prox Driver in PSEU1 analog output discrete are connected incorrectly. AIMS-2, CMCF LDI 3114-BCG-00W-16; CCA, Prox driver in PSEU1 analog output discrete are connected incorrectly.	32-07 TASK 897
32-73322	Circuit Breaker (Left SLG Lock Power) in P110 has a fault.	32-07 TASK 926
32-73323*	Left Semi Lever Gear hydraulic strut fails to hold under load.	32-07 TASK 899
32-73324*	Left Semi Lever Gear failed to lock.	32-07 TASK 901
32-73325*	Relay (SLG L) has failed in de-energized state.	32-07 TASK 903
32-73326*	Left Semi Lever Gear hydraulic strut failed in lock state.	32-07 TASK 905
32-73327*	Relay (SLG L) has failed in energized state.	32-07 TASK 903
32-73330	CCA, Landing Gear Driver B in PSEU 1 analog output discretes are connected incorrectly.	32-07 TASK 907
32-73340	CCA, Landing Gear Driver B in PSEU 2 analog output discretes are connected incorrectly.	32-07 TASK 908
32-73350	CCA, Landing Gear Driver B in PSEU 2 analog output discretes are connected incorrectly.	32-07 TASK 925
32-73351*	CCA, Prox Driver in PSEU 2 discrete s are connected incorrectly.	32-07 TASK 898
32-73352	Circuit Breaker (Right SLG Lock Power) in P210 has a fault.	32-07 TASK 927
32-73353*	Right Semi Lever Gear hydraulic strut fails to hold under load.	32-07 TASK 900
32-73354*	Right Semi Lever Gear (R) failed to lock.	32-07 TASK 902
32-73355*	Relay (SLG R) has failed in de-energized state..	32-07 TASK 904
32-73356*	Right Semi Lever Gear (R) hydraulic strut failed in lock state.	32-07 TASK 906
32-73357*	Relay (SLG R) has failed in energized state..	32-07 TASK 904
32-73360	CCA, Landing Gear Driver B in PSEU 2 analog output discretes are connected incorrectly.	32-07 TASK 909
32-73371	PSEU 1 (L1) has an internal fault.	32-07 TASK 893
32-73372	PSEU 1 (R1) has an internal fault.	32-07 TASK 893
32-73380	Circuit Breaker (PSEU 1 Pri Pwr) in P110 has a fault.	32-73 TASK 803

*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
32-73390	Circuit Breaker (PSEU 2 Pri Pwr) in P210 has a fault.	32-73 TASK 804
32-73400	Tail Strike Assembly has a fault.	32-73 TASK 805
32-73410	CCA, Proximity in PSEU 1 has a discrete input fault.	32-73 TASK 806
32-73420	Circuit Breaker (PSEU 1 Pri Pwr) in P110 has a fault.	32-73 TASK 803
32-73430	Circuit Breaker (PSEU 2 Pri Pwr) in P210 has a fault.	32-73 TASK 804
32-73440	Tail Strike Assembly has a fault.	32-73 TASK 807
32-73450	CCA, Proximity in PSEU 2 has a discrete input fault.	32-73 TASK 808
32-73461*	PSEU 1 (L1) has an internal fault.	32-07 TASK 910
32-73462*	PSEU 1 (R1) has an internal fault.	32-07 TASK 911
32-73471	PSEU 2 (L2) has an internal fault.	32-07 TASK 912
32-73472	PSEU 2 (R2) has an internal fault.	32-07 TASK 913
32-73481	PSEU 1 (L1) has an internal fault.	32-07 TASK 914
32-73482	PSEU 1 (R1) has an internal fault.	32-07 TASK 915
32-73491	PSEU 2 (L2) has an internal fault.	32-07 TASK 912
32-73492	PSEU 2 (R2) has an internal fault.	32-07 TASK 913
32-73501	PSEU 1 (L1) has an internal fault.	32-07 TASK 914
32-73502	PSEU 1 (R1) has an internal fault.	32-07 TASK 915
32-73511	PSEU 2 (L2) has an internal fault.	32-07 TASK 912
32-73512	PSEU 2 (R2) has an internal fault.	32-07 TASK 913
32-78841	PSEU 1 (L1) has no output on System ARINC 629 Bus (left).	32-06 TASK 801
32-78842	PSEU 2 (L2) has no output on System ARINC 629 Bus (left).	32-06 TASK 802
32-78863	PSEU 1 (R1) has no output on System ARINC 629 Bus (right).	32-06 TASK 803
32-78864	PSEU 2 (R2) has no output on System ARINC 629 Bus (right).	32-06 TASK 804
32-79419	PSEU 1 (L1) has no input from ELMS P110 Electronics Unit on System ARINC 629 Bus (left).	32-07 TASK 851
32-79423	PSEU 1 (L1) has no input from ELMS P210 Electronics Unit on System ARINC 629 Bus (left).	32-07 TASK 855
32-79424*	PSEU 2 (L2) has no input from ELMS P110 Electronics Unit on System ARINC 629 Bus (left).	32-07 TASK 853
32-79426*	PSEU 2 (L2) has no input from ELMS P210 Electronics Unit on System ARINC 629 Bus (left).	32-07 TASK 857
32-79435	PSEU 2 (L2) has no input from Left AIMS on System ARINC 629 Bus (left).	32-07 TASK 930
32-79436	PSEU 2 (L2) has no input from Right AIMS on System ARINC 629 Bus (left).	32-07 TASK 932

*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
32-79437	PSEU 1 (L1) has no input from Left AIMS on System ARINC 629 Bus (left).	32-07 TASK 916
32-79438	PSEU 2 (L2) has no input from Left AIMS on System ARINC 629 Bus (left).	32-07 TASK 917
32-79439	PSEU 1 (L1) has no input from Right AIMS on System ARINC 629 Bus (left).	32-07 TASK 918
32-79440	PSEU 2 (L2) has no input from Right AIMS on System ARINC 629 Bus (left).	32-07 TASK 919
32-79443	PSEU 1 (L1) has no input from ELMS P310 Electronics Unit on System ARINC 629 Bus (left).	32-07 TASK 859
32-79448	PSEU 2 (L2) has no input from ELMS P310 Electronics Unit on System ARINC 629 Bus (left).	32-07 TASK 861
32-79621	PSEU 1 (R1) has no input from ELMS P110 Electronics Unit on System ARINC 629 Bus (right).	32-07 TASK 863
32-79622*	PSEU 2 (R2) has no input from ELMS P110 Electronics Unit on System ARINC 629 Bus (right).	32-07 TASK 865
32-79625	PSEU 1 (R1) has no input from ELMS P210 Electronics Unit on System ARINC 629 Bus (right).	32-07 TASK 868
32-79626*	PSEU 2 (R2) has no input from ELMS P210 Electronics Unit on System ARINC 629 Bus (right).	32-07 TASK 870
32-79635	PSEU 2 (R2) has no input from Left AIMS on System ARINC 629 Bus (right).	32-07 TASK 931
32-79636	PSEU 2 (R2) has no input from Right AIMS on System ARINC 629 Bus (right).	32-07 TASK 933
32-79637	PSEU 1 (R1) has no input from Left AIMS on System ARINC 629 Bus (right).	32-07 TASK 920
32-79638	PSEU 2 (R2) has no input from Left AIMS on System ARINC 629 Bus (right).	32-07 TASK 921
32-79639	PSEU 1 (R1) has no input from Right AIMS on System ARINC 629 Bus (right).	32-07 TASK 922
32-79640	PSEU 2 (R2) has no input from Right AIMS on System ARINC 629 Bus (right).	32-07 TASK 923
32-79645	PSEU 1 (R1) has no input from ELMS P310 Electronics Unit on System ARINC 629 Bus (right).	32-07 TASK 872
32-79650	PSEU 2 (R2) has no input from ELMS P310 Electronics Unit on System ARINC 629 Bus (right).	32-07 TASK 874

*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. PSEU 1(L1) No Output on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-78841.

B. Initial Evaluation

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

C. Fault Isolation Procedure

NOTE: If your airplane does have the S283W202-13 or S283W202-14 PSEU then ignore maintenance message 32-18841.

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B32115, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 1 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring from the PSEU 1 to the coupler (WDM 32-08-11):
 - (a) Remove the PSEU 1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DB32115 from the coupler, B32115.
 - (c) Do a wiring check between these pins of connector DM32021AD at the E1-5 shelf and connector DB32115 at the P111 panel (WDM 32-08-11):

DM32021AD

DB32115

pin 2T	.....	pin 5
pin 2TR	.....	pin 4
pin 1T	.....	pin 2
pin 1TR	.....	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32115.

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- 3) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

— END OF TASK —

802. PSEU 2(L2) No Output on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-78842.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 your airplane does not have the S283W202-13 or S283W202-14 PSEU then ignore maintenance message 32-18842.

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B32215, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 2 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring from the PSEU 2 to the coupler (WDM 32-08-21):
 - (a) Remove the PSEU 2, M32025. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DB32215 from the coupler, B32215.
 - (c) Do a wiring check between these pins of connector DM32025AA at the E4-1 shelf and connector DB32215 at the P111 panel, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801

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DM32025AA	DB32215
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32215.
 - 3) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

— END OF TASK —

803. PSEU 1(R1) No Output on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-78863.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 your airplane does not have the S283W202-13 or S283W202-14 PSEU then ignore maintenance message 32-18863.

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 1.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B32301, in the P211 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE: This coupler connects the PSEU 1 to the Systems 629 Bus-R.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (3) Do this check of the wiring from the PSEU 1 to the coupler (WDM 32-08-11):
- (a) Remove the PSEU 1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DB32301 from the coupler, B32301.
 - (c) Do a wiring check between these pins of connector DM32021AA at the E1-5 shelf and connector DB32301 at the P211 panel (WDM 32-08-11):

DM32021AA	DB32301
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32301.
 - 3) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

END OF TASK

804. PSEU 2(R2) No Output on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-78864.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 your airplane does not have the S283W202-13 or S283W202-14 PSEU then ignore maintenance message 32-18864.

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the ARINC 629 coupler, B32302, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring from the PSEU 2 to the coupler (WDM 32-08-21):
 - (a) Remove the PSEU 2, M32025. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DB32302 from the coupler, B32302.
 - (c) Do a wiring check between these pins of connector DM32025AD at the E4-1 shelf and connector DB32302 at the P211 panel (WDM 32-08-21):

DM32025AD	DB32302
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32302.
 - 3) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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801. PSEU 1 (R1) Bus ARINC 429 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71002, 32-71011.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Comm Processor, B09 in PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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

————— END OF TASK —————

802. PSEU 1(L1) ARINC 429 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71051.

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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 circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. PSEU 1(R1) ARINC 429 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71052.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

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Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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

————— END OF TASK —————

804. PSEU 2 (L2) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71101.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

————— END OF TASK —————

805. PSEU 2 (R2) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71102.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

————— END OF TASK —————

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806. PSEU 2 (L2) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71111.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Prox Driver, B04 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

————— **END OF TASK** —————

807. PSEU 2 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71121, 32-71122.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Prox Driver, B07 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

————— **END OF TASK** —————

808. PSEU 2 (R2) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71112.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Comm Processor, B04 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

————— **END OF TASK** —————

809. PSEU 1 Incorrect Software Configuration - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71280.

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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 last installed circuit card assembly (CCA) in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Comm Processor, B02 in PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the circuit card assembly CCA, Comm Processor, B09 in PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the circuit card assembly CCA, Aux Driver, B3 in the PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the circuit card assembly CCA, Prox Driver, B4 in PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the circuit card assembly CCA, Prox Driver, B7 in PSEU 1.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (7) Replace the circuit card assembly CCA, Prox Driver, B8 in PSEU 1.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

810. PSEU 2 Incorrect Software Configuration - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71282.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the last installed circuit card assembly (CCA) in the proximity sensor electronics unit (PSEU) 2.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Comm Processor, B02 in PSEU 2.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the circuit card assembly CCA, Comm Processor, B09 in PSEU 2.

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These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the circuit card assembly CCA, Prox Driver, B3 in the PSEU 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the circuit card assembly CCA, Prox Driver, B4 in PSEU 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the circuit card assembly CCA, Prox Driver, B7 in PSEU 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (7) Replace the circuit card assembly CCA, Prox Driver, B8 in PSEU 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

————— **END OF TASK** —————

811. PSEU 1 (L1) Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71131, 32-71161, 32-71181, 32-71201, 32-71461, 32-71471, 32-71481, 32-71501, 32-71511, 32-71521, 32-71531, 32-71541, 32-71561, 32-71571, 32-71581, 32-71591.

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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 circuit card assembly in the proximity sensor electronics unit (PSEU) 1 as shown in the table below.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

MAINTENANCE MESSAGE	CIRCUIT CARD ASSEMBLY (CCA) IN PSEU, M32021 (E1 Rack)
32-71131	CCA, Main Power Supply, A01
32-71161	CCA, Aux Driver, B03
32-71181	CCA, Cargo Door Prox Driver, B04
32-71201	CCA, Landing Gear Prox Driver, B07
32-71461	CCA, Aux Driver, B03
32-71471	CCA, Cargo Door Prox Driver, B04
32-71481	CCA, Landing Gear Prox Driver B07
32-71501	CCA, Aux Driver, B03
32-71511	CCA, Prox Driver, B04
32-71521	CCA, Prox Driver, B04
32-71531	CCA, Cargo Door Prox Driver, B04
32-71541	CCA, Landing Gear Prox Driver B07
32-71561	CCA, Prox Driver, B07
32-71571	CCA, Prox Driver, B07
32-71581	CCA, Prox Driver, B08
32-71591	CCA, Prox Driver, B08

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Comm processor, B02 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

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- (3) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. PSEU 1 (L1) Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71041, 32-71271.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm processor, B02 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the PSEU 1, M32021.
- These are the tasks:
- Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
- Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (a) 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. PSEU 1 (R1) Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71162, 32-71182, 32-71202, 32-71262, 32-71462, 32-71472, 32-71482, 32-71502, 32-71512, 32-71522, 32-71532, 32-71542, 32-71562, 32-71572, 32-71582, 32-71592.

B. Initial Evaluation

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

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C. Fault Isolation Procedure

- (1) Replace the applicable circuit card assembly in the proximity sensor electronics unit (PSEU) 1 as shown in the table below.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

MAINTENANCE MESSAGE

CIRCUIT CARD ASSEMBLY (CCA) IN PSEU, M32021 (E1 Rack)

32-71162	CCA, Aux Driver, B03
32-71182	CCA, Cargo Door Prox Driver, B04
32-71202	CCA, Landing Gear Prox Driver, B07
32-71262	CCA, Main Power Supply, A18
32-71462	CCA, Aux Driver, B03
32-71472	CCA, Cargo Door Prox Driver, B04
32-71482	CCA, Landing Gear Prox Driver, B07
32-71502	CCA, Aux Driver, B03
32-71512	CCA, Prox Driver, B04
32-71522	CCA, Prox Driver, B04
32-71532	CCA, Cargo Door Prox Driver, B04
32-71542	CCA, Landing Gear Prox Driver, B07
32-71562	CCA, Prox Driver, B07
32-71572	CCA, Prox Driver, B07
32-71582	CCA, Prox Driver, B08
32-71592	CCA, Prox Driver, B08

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Comm Processor, B09 in the PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue
- (3) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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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 —————

814. PSEU 1 (R1) Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71042, 32-71272.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in the PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue
- (2) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. PSEU 1 Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71091, 32-71092, 32-71150, 32-71170, 32-71220, 32-71230, 32-71242, 32-71661, 32-71662, 32-71671, 32-71672, 32-71691, 32-71692, 32-71701, 32-71702.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (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 circuit card assembly in the proximity sensor electronics unit (PSEU) 1 as shown in the table below.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

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PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

MAINTENANCE MESSAGE

32-71091
32-71092
32-71150
32-71170
32-71220
32-71230
32-71242
32-71661
32-71662
32-71671
32-71672
32-71691
32-71692
32-71701
32-71702

CIRCUIT CARD ASSEMBLY (CCA) IN PSEU, M32021 (E1 Rack)

CCA, Comm Processor, B02
CCA, Comm Processor, B09
CCA, Comm Processor, B02
CCA, Prox Driver, B04
CCA, Prox Driver, B07
CCA, Prox Driver, B08
CCA, Comm Processor, B09
CCA, Comm Processor, B02
CCA, Comm Processor, B09
CCA, Comm Processor, B02
CCA, Comm Processor, B09
CCA, Comm Processor, B02
CCA, Comm Processor, B02
CCA, Comm Processor, B09

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the PSEU 1, M32021.
These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (a) 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. CCA, Aux Driver Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71190.

B. Initial Evaluation

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

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C. Fault Isolation Procedure

- (1) Do a check for 28 VDC from pin 8 of connector D32011P to structure ground (WDM 32-08-11).
- (2) If there is not 28 VDC at pin 8 of connector D32011P, replace GND HDLG SERVICE circuit breaker, C52604 (WDM 32-08-11).
- (3) If there is 28 VDC at pin 8 of connector D32011P, do these steps:
 - (a) Replace the circuit card assembly CCA, Aux Driver, B03 in the proximity sensor electronics unit (PSEU) 1. These are the tasks:
 - PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801
 - PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (c) If the MAT shows ACTIVE for the maintenance message, then continue
- (4) Replace the PSEU 1, M32021. These are the tasks:
 - Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801
 - Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801
 - (a) 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. CCA, Comm Processor in PSEU 1 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71140.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 1.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the PSEU 1, M32021.
These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - (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, B32115, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 1 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this check of the wiring:
- (a) Remove the PSEU 1, M32021, from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (b) Disconnect connector DB32115 from the panel, DATA BUS PANEL, P111 (WDM 32-08-11).
- (c) Do a wiring check between these pins of connector DB32115 at the P111 panel, and connector DM32021AA at the E1-5 shelf (WDM 32-08-11):

DB32115

pin 5 pin 2T
pin 4 pin 2TR
pin 2 pin 1T
pin 1 pin 1TR

DM32021AA

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect connector DB32115.
 - 3) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

818. CCA, Comm Processor (B09) in PSEU 1 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71252.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

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PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue
- (2) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B32301, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue
- (4) Do this check of the wiring from the PSEU 1 to the coupler (WDM 32-08-11):
- (a) Remove the PSEU 1, M32021, from the E1-5 shelf. To remove it,
 - (b) Disconnect connector DB32301 from the coupler, B32301.
 - (c) Do a wiring check between these pins of connector DM32021AD at the E1-5 shelf and connector DB32301 at the P211 panel (WDM 32-08-11):

DB32301

pin 5	.....	pin 2T
pin 4	.....	pin 2TR
pin 2	.....	pin 1T
pin 1	.....	pin 1TR

DM32021AD

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DB32301.
 - 3) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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819. PSEU 1(L1) Cargo Dr Configuration Jumper Problem - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71290.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 proximity sensor electronics unit (PSEU) 1, M32021, from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Make sure the pins K9 and K10 of the connector DM32025AE agree with WDM 52-71-15.
 - (c) If the pins do not agree with WDM 52-71-15, then do these steps:
 - 1) Change the wiring to agree with WDM 52-71-15.
 - 2) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (d) If the pins agree with WDM 52-71-15, then do these steps:
 - 1) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 2) Continue with the procedure.
- (2) Replace the circuit card assembly CCA, Prox Driver, B04 in PSEU 1.

These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PSEU 1, M32021.

These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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

————— END OF TASK —————

820. PSEU 1 Aircraft Configuration Jumper Problem - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71291, 32-71292.

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B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Do this check of the wiring:
 - (a) Remove the proximity sensor electronics unit (PSEU) 1, M32021, from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Make sure the pins of the connector DM32021AB agree with WDM 32-08-11.
 - (c) If the pins do not agree with WDM 32-08-11, then do these steps:
 - 1) Change the wiring to agree with WDM 32-08-11.
 - 2) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (d) If the pins agree with WDM 32-08-11, then do these steps:
 - 1) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 2) Continue with the procedure.
- (2) Replace the applicable circuit card assembly in the proximity sensor electronics unit (PSEU) 1 as shown in the table below.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

MAINTENANCE MESSAGE	CIRCUIT CARD ASSEMBLY (CCA) IN PSEU, M32021 (E1 Rack)

32-71291	CCA, Comm Processor, B02

32-71292	CCA, Comm Processor, B09

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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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821. PSEU Configuration Problem - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71293, 32-71294.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 proximity sensor electronics unit (PSEU) 2, M32025, from the E4-1 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Make sure the pins of the connector DM32025AB agree with WDM 32-08-21.
 - (c) If the pins do not agree with WDM 32-08-21, then do these steps:
 - 1) Change the wiring to agree with WDM 32-08-21.
 - 2) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (d) If the pins agree with WDM 32-08-21, then do these steps:
 - 1) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 2) Continue with the procedure.
- (2) Do this check of the wiring:
 - (a) Remove the proximity sensor electronics unit (PSEU) 1, M32021, from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Make sure the pins of the connector DM32021AB agree with WDM 32-08-11.
 - (c) If the pins do not agree with WDM 32-08-11, then do these steps:
 - 1) Change the wiring to agree with WDM 32-08-11.
 - 2) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (d) If the pins agree with WDM 32-08-11, then do these steps:
 - 1) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 2) Continue with the procedure.
- (3) Replace the applicable circuit card assembly in the proximity sensor electronics unit (PSEU) 1 as shown in the table below.

These are the tasks:

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PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

MAINTENANCE MESSAGE

CIRCUIT CARD ASSEMBLY (CCA) IN PSEU, M32021 (E1 Rack)

32-71293

CCA, Comm Processor, B02

32-71294

CCA, Comm Processor, B09

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. PSEU 2 Aircraft Configuration Jumper Problem - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71288, 32-71289, 32-71295, 32-71296.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 proximity sensor electronics unit (PSEU) 2, M32025, from the E4-1 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Make sure the pins of the connector DM32025AB agree with WDM 32-08-21.
 - (c) If the pins do not agree with WDM 32-08-21, then do these steps:
 - 1) Change the wiring to agree with WDM 32-08-21.
 - 2) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (d) If the pins agree with WDM 32-08-21, then do these steps:
 - 1) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 2) Continue with the procedure.

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- (2) Replace the applicable circuit card assembly in the proximity sensor electronics unit (PSEU) 2 as shown in the table below.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

MAINTENANCE MESSAGE	CIRCUIT CARD ASSEMBLY (CCA) IN PSEU, M32025 (E4 Rack)
32-71288	CCA, Comm Processor, B02
32-71289	CCA, Comm Processor, B09
32-71295	CCA, Comm Processor, B02
32-71296	CCA, Comm Processor, B09

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

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

- (3) Replace the PSEU 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. PSEU 2 Detected That PSEU 1 Has A Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71297, 32-71298.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 proximity sensor electronics unit (PSEU) 1, M32021, from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (b) Make sure the pins of the connector DM32021AB agree with WDM 32-08-11.
- (c) If the pins do not agree with WDM 32-08-11, then do these steps:
- 1) Change the wiring to agree with WDM 32-08-11.
 - 2) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (d) If the pins agree with WDM 32-08-11, then do these steps:
 - 1) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 2) Continue with the procedure.
- (2) Do this check of the wiring:
 - (a) Remove the proximity sensor electronics unit (PSEU) 2, M32025, from the E4-1 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Make sure the pins of the connector DM32025AB agree with WDM 32-08-21.
 - (c) If the pins do not agree with WDM 32-08-21, then do these steps:
 - 1) Change the wiring to agree with WDM 32-08-21.
 - 2) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (d) If the pins agree with WDM 32-08-21, then do these steps:
 - 1) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 2) Continue with the procedure.
- (3) Replace the applicable circuit card assembly in the proximity sensor electronics unit (PSEU) 2 as shown in the table below.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

MAINTENANCE MESSAGE

CIRCUIT CARD ASSEMBLY (CCA) IN PSEU, M32025 (E4 Rack)

32-71297	CCA, Comm Processor, B02
32-71298	CCA, Comm Processor, B09

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) 777-200 AIRPLANES;

Do a check of the wiring to make sure that the left slide compartment door proximity sensor inputs on PSEU 1, M32021, are open.

 - (a) If the MAT shows NOT ACTIVE for the maintenance 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) 777-200 AIRPLANES;

Do these steps:

 - (a) Do this check of the wiring to make sure that the tail skid sensor inputs, passenger entry door 5L and 5R sensor inputs, right slide compartment door sensor inputs, and the right semi-lever gear proximity sensor inputs on PSEU 2, M32025, are open:

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- 1) Remove the proximity sensor electronics unit (PSEU) 2, M32025, from the E4-1 shelf. To remove it, (AMM TASK 32-08-01-000-801).
- 2) Do a wiring check at pin G7, G8, H7, and H8 of connector DM32025AB at the E4-1 shelf.
- 3) Do a wiring check at pin A11, A12, B11, B12, C11, C12, D11, D12, E11, E12, F11, F12, G11 and G12 of connector DM32025AE at the E4-1 shelf.
- 4) Do a wiring check at pin A7 and A8 of connector DM32025AA at the E4-1 shelf.
- 5) Do a wiring check at pin H1 and H2 of connector DM32025AB at the E4-1 shelf.
- (b) If the circuits are not open, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (6) 777-300ER AIRPLANES;
Do these steps:
 - (a) Do this check of the wiring to make sure that the right semi-lever gear proximity sensor inputs on PSEU 2, M32025, are open:
 - 1) Remove the proximity sensor electronics unit (PSEU) 2, M32025, from the E4-1 shelf. To remove it, (AMM TASK 32-08-01-000-801).
 - 2) Do a wiring check at pin H1 and H2 of connector DM32025AB at the E4-1 shelf.
 - (b) If the circuits are not open, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (7) Replace the PSEU 2, M32025.
These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - (a) 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. PSEU 2 (R2) ARINC 429 problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71021.

B. Initial Evaluation

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

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C. Fault Isolation Procedure

(1) Do this check of the wiring:

- (a) Remove the proximity sensor electronics unit (PSEU) 1, M32021, from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (b) Remove the PSEU 2, M32025, from the E4-1 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (c) Do a wiring check between these pins of connector DM32021AD at the PSEU 1, and connector DM32025AD at the E4-1 shelf (WDM 32-08-21):

DM32021AD

pin A10
pin A11
pin C10
pin C11

DM32025AD

pin C10
pin C11
pin A10
pin A11

- (d) Do a wiring check between these pins of connector DM32021AA at the PSEU 1, and connector DM32025AA at the E4-1 shelf (WDM 32-08-21):

DM32021AA

pin A10
pin A11
pin C10
pin C11

DM32025AA

pin C10
pin C11
pin A10
pin A11

- (e) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (f) If you do not find a problem with the wiring, then continue.
 - (g) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - (h) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (2) Replace the circuit card assembly CCA, Comm Processor, B02 in the PSEU 2.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the circuit card assembly CCA, Comm Processor, B02 in PSEU 1.

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These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the PSEU 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance 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 PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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

————— **END OF TASK** —————

825. PSEU 2 (R2 or L2) Has ARINC 429 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71022, 32-71031.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 proximity sensor electronics unit (PSEU) 1, M32021, from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Remove the Proximity Sensor Electronics Unit (PSEU) 2, M32025, from the E4-1 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (c) Do a wiring check between these pins of connector DM32021AD at the PSEU 1, and connector DM32025AD at the E4-1 shelf (WDM 32-08-21):

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DM32021AD

pin A10		pin C10
pin A11		pin C11
pin C10		pin A10
pin C11		pin A11

DM32025AD

- (d) Do a wiring check between these pins of connector DM32021AA at the PSEU 1, and connector DM32025AA at the E4-1 shelf (WDM 32-08-21):

DM32021AA

pin A10	.....	pin C10
pin A11	.....	pin C11
pin C10	.....	pin A10
pin C11	.....	pin A11

DM32025AA

- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue.
- (g) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (h) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (2) Replace the circuit card assembly CCA, Comm Processor, B02 in the PSEU 2.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the circuit card assembly CCA, Comm Processor, B09 in PSEU 1.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the PSEU 2, M32025.
- These are the tasks:

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Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. PSEU 2 (L2) ARINC 429 problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71032.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 proximity sensor electronics unit (PSEU) 1, M32021, from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Remove the PSEU 2, M32025, from the E4-1 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (c) Do a wiring check between these pins of connector DM32021AD at the PSEU 1, and connector DM32025AD at the E4-1 shelf (WDM 32-08-21):

DM32021AD

pin A10
pin A11
pin C10
pin C11

DM32025AD

pin C10
pin C11
pin A10
pin A11

- (d) Do a wiring check between these pins of connector DM32021AA at the PSEU 1, and connector DM32025AA at the E4-1 shelf (WDM 32-08-21):

DM32021AA

pin A10
pin A11
pin C10
pin C11

DM32025AA

pin C10
pin C11
pin A10
pin A11

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- (e) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue.
- (g) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (h) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (2) Replace the circuit card assembly CCA, Comm Processor, B09 in the PSEU 2.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the circuit card assembly CCA, Comm Processor, B09 in PSEU 1.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the PSEU 2, M32025.
These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance 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 PSEU 1, M32021.
These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

— END OF TASK —

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827. PSEU 1(L1) No Input From PSEU 2(L2) on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71061, 32-71071, 32-71081.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Comm Processor, B02 in the PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PSEU 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance 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, B32115, 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 PSEU 1 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler, B32215, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 2 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (7) Do this check of the wiring from the PSEU 1 to the coupler (WDM 32-08-11):
- (a) Remove the PSEU 1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DB32115 from the coupler, B32115.
 - (c) Do a wiring check between these pins of connector DM32021AA at the E1-5 shelf and connector DB32115 at the P111 panel (WDM 32-08-11):

DM32021AA	DB32115
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32115.
 - 3) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (e) If you do not find a problem with the wiring, then continue.
 - (f) Re-connect DB32115.
 - (g) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (8) Do this check of the wiring from the PSEU 2 to the coupler (WDM 32-08-21):
- (a) Remove the PSEU 2, M32025. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DB32215 from the coupler, B32215.
 - (c) Do a wiring check between these pins of connector DM32025AA at the E4-1 shelf and connector DB32215 at the P111 panel (WDM 32-08-21):

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DM32025AA	DB32215
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32115.
 - 3) Re-install the PSEU 2, M32025. To install it, (WDM 32-08-21).
 - 4) 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. PSEU 1(R1) No Input From PSEU 2(R2) on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71062, 32-71072, 32-71082.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 2.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Comm Processor, B09 in the PSEU 1.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PSEU 2, M32025.
- These are the tasks:
- Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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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 PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the ARINC 629 coupler, B32301, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler, B32302, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (7) Do this check of the wiring from the PSEU 1 to the coupler (WDM 32-08-11):
 - (a) Remove the PSEU 1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DB32301 from the coupler, B32301.
 - (c) Do a wiring check between these pins of connector DM32021AD at the E1-5 shelf and connector DB32301 at the P211 panel (WDM 32-08-11):

DM32021AD	DB32301
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32301.

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- 3) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect DB32301.
- (g) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (8) Do this check of the wiring from the PSEU 2 to the coupler (WDM 32-08-21):
 - (a) Remove the PSEU 2, M32025. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DB32302 from the coupler, B32302.
 - (c) Do a wiring check between these pins of connector DM32025AD at the E4-1 shelf and connector DB32302 at the P211 panel (WDM 32-08-21):

DM32025AD	DB32302
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32302.
 - 3) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

829. **PSEU 2 (L2) Internal Problems - Fault Isolation**

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-72231, 32-72291, 32-72351, 32-72371, 32-72381, 32-72391, 32-72400, 32-72421, 32-72441, 32-72451, 32-72461, 32-72471.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (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 circuit card assembly in the proximity sensor electronics unit (PSEU) 2 as shown in the table below.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

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PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

MAINTENANCE MESSAGE

CIRCUIT CARD ASSEMBLY (CCA) IN PSEU, M32025 (E4 Rack)

32-72231	CCA, Landing Gear Prox Driver, B07
32-72291	CCA, Main Power Supply, A18
32-72351	CCA, Landing Gear Prox Driver, B07
32-72371	CCA, Prox Driver, B03
32-72381	CCA, Prox Driver, B03
32-72391	CCA, Prox Driver, B04
32-72400	CCA, Prox Driver, B04
32-72421	CCA, Landing Gear Prox Driver, B07
32-72441	CCA, Prox Driver, B07
32-72451	CCA, Prox Driver, B07
32-72461	CCA, Prox Driver, B08
32-72471	CCA, Prox Driver, B08

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Comm processor, B09 in the PSEU 2.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue
- (3) Replace the PSEU 2, M32025.
These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

830. PSEU 2 (L2) Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-72071, 32-72301.

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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 circuit card assembly CCA, Comm processor, B09 in the PSEU 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue
- (2) Replace the PSEU 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. PSEU 2 (R2) Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-72182, 32-72232, 32-72352, 32-72372, 32-72382, 32-72392, 32-72410, 32-72422, 32-72442, 32-72452, 32-72462, 32-72472.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (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 circuit card assembly in the proximity sensor electronics unit (PSEU) 2 as shown in the table below.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

MAINTENANCE MESSAGE	CIRCUIT CARD ASSEMBLY (CCA) IN PSEU, M32025 (E4 Rack)
32-72182	CCA, Main Power Supply, A01
32-72232	CCA, Landing Gear Prox Driver, B07
32-72352	CCA, Landing Gear Prox Driver, B07
32-72372	CCA, Prox Driver, B03

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MAINTENANCE MESSAGE	CIRCUIT CARD ASSEMBLY (CCA) IN PSEU, M32025 (E4 Rack)
32-72382	CCA, Prox Driver, B03
32-72392	CCA, Prox Driver, B04
32-72410	CCA, Prox Driver, B04
32-72422	CCA, Landing Gear Prox Driver, B07
32-72442	CCA, Prox Driver, B07
32-72452	CCA, Prox Driver, B07
32-72462	CCA, Prox Driver, B08
32-72472	CCA, Prox Driver, B08

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Comm Processor, B02 in the PSEU 2.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue
- (3) Replace the PSEU 2, M32025.
These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

832. PSEU 2 (R2) Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-72072, 32-72302.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in the PSEU 2.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

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PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue
- (2) Replace the PSEU 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. PSEU 2(L2) (Communication, A17) ARINC 429 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72081.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in the PSEU 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue
- (2) Replace the PSEU 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. PSEU 2(R2) (Communication, A02) ARINC 429 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72082.

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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 circuit card assembly CCA, Comm Processor, B02 in the PSEU 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue
- (2) Replace the PSEU 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. PSEU 2 Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-72131, 32-72132, 32-72202, 32-72210, 32-72220, 32-72250, 32-72260, 32-72271, 32-72511, 32-72512, 32-72521, 32-72522, 32-72541, 32-72542, 32-72551, 32-72552.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (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 circuit card assembly in the proximity sensor electronics unit (PSEU) 2 as shown in the table below.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

MAINTENANCE MESSAGE

32-72131

32-72132

CIRCUIT CARD ASSEMBLY (CCA)

IN PSEU, M32025 (E4 Rack)

CCA, Comm Processor, B09

CCA, Comm Processor, B02

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32-72202	CCA, Comm Processor, B02
32-72210	CCA, Prox Driver, B03
32-72220	CCA, Prox Driver, B04
32-72250	CCA, Prox Driver, B07
32-72260	CCA, Prox Driver, B08
32-72271	CCA, Comm Processor, B09
32-72511	CCA, Comm Processor, B09
32-72512	CCA, Comm Processor, B02
32-72521	CCA, Comm Processor, B09
32-72522	CCA, Comm Processor, B02
32-72541	CCA, Comm Processor, B09
32-72542	CCA, Comm Processor, B02
32-72551	CCA, Comm Processor, B09
32-72552	CCA, Comm Processor, B02

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the PSEU 2, M32025.
These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (a) 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. PSEU 1(L1) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72141.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

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PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

————— **END OF TASK** —————

837. PSEU 1(R1) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72142.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

————— **END OF TASK** —————

838. PSEU 1 (L1) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72151.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Prox Driver, B04 in PSEU 1.

These are the tasks:

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PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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

————— **END OF TASK** —————

839. PSEU 1 (R1) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72152.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Prox Driver, B04 in PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

————— **END OF TASK** —————

840. PSEU 1 (L1) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72161.

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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 circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Aux Driver, B03 in the PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

————— END OF TASK —————

841. PSEU 1 (R1) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72162.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Aux Driver, B03 in the PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

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PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

————— **END OF TASK** —————

842. PSEU 1 (L1) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72171.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Prox Driver, B07 in PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

————— **END OF TASK** —————

843. PSEU 1 (R1) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72172.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

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PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Prox Driver, B07 in PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

————— **END OF TASK** —————

844. CCA, Comm Processor in PSEU 2 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72192.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the PSEU 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B32302, 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 PSEU 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this check of the wiring:
 - (a) Remove the PSEU 2, M32025, from the E4-1 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DB32302 from the panel, DATA BUS PANEL, P211 (WDM 32-08-11).
 - (c) Do a wiring check between these pins of connector DB32302 at the P211 panel, and connector DM32025AD at the E4-1 shelf (WDM 32-08-11):

DB32302

pin 5
pin 4
pin 2
pin 1

DM32025AD

pin 2T
pin 2TR
pin 1T
pin 1TR

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DB32302.
 - 3) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

845. CCA, Comm Processor in PSEU 2 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72281.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the PSEU 2, M32025.
- These are the tasks:
- Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B32215, in the P111 panel.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the PSEU 2 to the Systems 629 Bus-L.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Do this check of the wiring:
- (a) Remove the PSEU 2, M32025, from the E4-1 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (b) Disconnect connector DB32215 from the panel, DATA BUS PANEL, P111 (WDM 32-08-11).
- (c) Do a wiring check between these pins of connector DB32215 at the P111 panel, and connector DM32025AA at the E4-1 shelf (WDM 32-08-11):
- | DB32215 | DM32025AA |
|-----------------|------------------|
| pin 5 | pin 2T |
| pin 4 | pin 2TR |
| pin 2 | pin 1T |
| pin 1 | pin 1TR |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect connector DB32215.
 - 3) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

851. **PSEU 1(L1) No Input From ELMS P110 on Systems 629 Bus-L - Fault Isolation**

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79419.

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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 circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the Computing and Communication Unit (CCU), M24502 in the ELMS P110.

This is the task:

Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32115, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 1 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24107, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the CCU, M24502 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 PSEU 1 to the coupler (WDM 32-08-11):
 - (a) Remove the PSEU 1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DB32115 from the coupler, B32115.



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- (c) Do a wiring check between these pins of connector DM32021AD at the E1-5 shelf and connector DB32115 at the P111 panel (WDM 32-08-11):

DM32021AD	DB32115
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32115.
 - 3) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect DB32115.
- (g) Re-install the PSEU 1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (h) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (6) Do this check of the wiring from the Computing and Communications Unit (CCU), M24502 to the coupler (WDM 24-09-24):
- (a) Remove the CCU, M24502. To remove it, do this task: Computing and Communications Unit - Removal, AMM TASK 24-09-00-000-815-002.
 - (b) Disconnect connector DB24107 from the coupler, B24107.
 - (c) Do a wiring check between these pins of connector D11008 at the P110 panel and connector DB24107 at the P111 panel (WDM 24-09-24):

D11008	DB24107
pin 1	pin 1
pin 2	pin 2
pin 4	pin 4
pin 5	pin 5

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB24107.
 - 3) Re-install the CCU, M24502. To install it, do this task: Computing and Communications Unit - Installation, AMM TASK 24-09-00-400-811-002
 - 4) 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. PSEU 2(L2) No Input From ELMS P110 on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79424.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the Computing and Communication Unit (CCU), M24502 in the ELMS P110.

This is the task:

Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32215, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 2 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24107, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the CCU, M24502 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 PSEU 2 to the coupler (WDM 32-08-21):

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- (a) Remove the PSEU 2, M32025. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (b) Disconnect connector DB32215 from the coupler, B32215.
- (c) Do a wiring check between these pins of connector DM32025AA at the E4-1 shelf and connector DB32215 at the P111 panel (WDM 32-08-21):

DM32025AA	DB32215
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32215.
 - 3) Re-install the PSEU 2, M32025. To install it, (SWPM 20-11-11).
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect DB32215.
- (g) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (6) Do this check of the wiring from the Computing and Communications Unit (CCU), M24502 to the coupler (WDM 24-09-24):
 - (a) Remove the CCU, M24502. To remove it, do this task: Computing and Communications Unit - Removal, AMM TASK 24-09-00-000-815-002.
 - (b) Disconnect connector DB24107 from the coupler, B24107.
 - (c) Do a wiring check between these pins of connector D11008 at the P110 panel and connector DB24107 at the P111 panel (WDM 24-09-24):

D11008	DB24107
pin 1	pin 1
pin 2	pin 2
pin 4	pin 4
pin 5	pin 5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB24107.
 - 3) Re-install the CCU, M24502. To install it, do this task: Computing and Communications Unit - Installation, AMM TASK 24-09-00-400-811-002.
 - 4) 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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855. PSEU 1(L1) No Input From ELMS P210 on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79423.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the Computing and Communication Unit (CCU), M24506 in the ELMS P210.

This is the task:

Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32115, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 1 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24108, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the CCU, M24506 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 PSEU 1 to the coupler (WDM 32-08-11):

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- (a) Remove the PSEU 1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (b) Disconnect connector DB32115 from the coupler, B32115.
- (c) Do a wiring check between these pins of connector DM32021AD at the E1-5 shelf and connector DB32115 at the P111 panel (WDM 32-08-11):

DM32021AD	DB32115
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32115.
 - 3) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect DB32115.
- (g) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (6) Do this check of the wiring from the Computing and Communications Unit (CCU), M24506 to the coupler (WDM 24-09-25):
 - (a) Remove the CCU, M24506. To remove it, do this task: Computing and Communications Unit - Removal, AMM TASK 24-09-00-000-815-002.
 - (b) Disconnect connector DB24108 from the coupler, B24108.
 - (c) Do a wiring check between these pins of connector D21008 at the P210 panel and connector DB24108 at the P111 panel (WDM 24-09-25):

D21008	DB24108
pin 1	pin 1
pin 2	pin 2
pin 4	pin 4
pin 5	pin 5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB24108.
 - 3) Re-install the CCU, M24506. To install it, (AMM TASK 24-09-00-400-811-002)
 - 4) 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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857. PSEU 2(L2) No Input From ELMS P210 on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79426.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the Computing and Communication Unit, M24506 in the ELMS P210.

This is the task:

Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32215, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 2 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24108, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the CCU, M24506 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 PSEU 2 to the coupler (WDM 32-08-21):

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- (a) Remove the PSEU 2, M32025. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (b) Disconnect connector DB32215 from the coupler, B32215.
- (c) Do a wiring check between these pins of connector DM32025AA at the E4-1 shelf and connector DB32215 at the P111 panel (WDM 32-08-21):

DM32025AA	DB32215
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32215.
 - 3) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect DB32215.
- (g) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (6) Do this check of the wiring from the Computing and Communications Unit (CCU), M24506 to the coupler (WDM 24-09-25):
 - (a) Remove the Computing and Communications unit (CCU), M24506. To remove it, do this task: Computing and Communications Unit - Removal, AMM TASK 24-09-00-000-815-002.
 - (b) Disconnect connector DB24108 from the coupler, B24108.
 - (c) Do a wiring check between these pins of connector D21008 at the P210 panel and connector DB24108 at the P111 panel (WDM 24-09-25):

D21008	DB24108
pin 1	pin 1
pin 2	pin 2
pin 4	pin 4
pin 5	pin 5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB24108.
 - 3) Re-install the Computing and Communications Unit (CCU), M24506. To install it, do this task: Computing and Communications Unit - Installation, AMM TASK 24-09-00-400-811-002.

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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** —————

859. **PSEU 1 (L1) No Input From ELMS P310 on Systems 629 Bus-L - Fault Isolation**

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79443.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the Computing and Communications Unit (CCU), M24510 in the ELMS P310.
This is the task:
Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32115, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 1 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24109, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the CCU, M24510 to the Systems 629 Bus-L.

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

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the PSEU 1 to the coupler (WDM 32-08-11):
 - (a) Remove the PSEU 1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DB32115 from the coupler, B32115.
 - (c) Do a wiring check between these pins of connector DM32021AD at the E1-5 shelf and connector DB32115 at the P111 panel (WDM 32-08-11):

DM32021AD	DB32115
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32115.
 - 3) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect DB32115.
- (g) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (6) Do this check of the wiring from the Computing and Communications Unit (CCU), M24510 to the coupler (WDM 24-09-26):
 - (a) Remove the Computing and Communications Unit (CCU), M24510. To remove it, do this task: Computing and Communications Unit - Removal, AMM TASK 24-09-00-000-815-002.
 - (b) Disconnect connector DB24109 from the coupler, B24109.
 - (c) Do a wiring check between these pins of connector D31007 at the P310 panel and connector DB24109 at the P111 panel (WDM 24-09-26):

D31007	DB24109
pin 1	pin 1
pin 2	pin 2
pin 4	pin 4
pin 5	pin 5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB24109.
 - 3) Re-install the Computing and Communications Unit (CCU), M24510. To install it, do this task: Computing and Communications Unit - Installation, AMM TASK 24-09-00-400-811-002.

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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 —————

861. PSEU 2 (L2) No Input From ELMS P310 on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79448.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the Computing and Communications Unit (CCU), M24510 in the ELMS P310.
This is the task:
Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32215, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 2 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24109, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the CCU, M24510 to the Systems 629 Bus-L.

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

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the PSEU 2 to the coupler (WDM 32-08-21):
 - (a) Remove the PSEU 2, M32025. To remove it, (WDM 32-08-21).
 - (b) Disconnect connector DB32215 from the coupler, B32215.
 - (c) Do a wiring check between these pins of connector DM32025AA at the E4-1 shelf and connector DB32215 at the P111 panel (WDM 32-08-21):

DM32025AA	DB32215
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32215.
 - 3) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect DB32215.
- (g) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (6) Do this check of the wiring from the Computing and Communications Unit (CCU), M24510 to the coupler (WDM 24-09-26):
 - (a) Remove the CCU, M24510. To remove it, do this task: Computing and Communications Unit - Removal, AMM TASK 24-09-00-000-815-002.
 - (b) Disconnect connector DB24109 from the coupler, B24109.
 - (c) Do a wiring check between these pins of connector D31007 at the P310 panel and connector DB24109 at the P111 panel (WDM 24-09-26):

D31007	DB24109
pin 1	pin 1
pin 2	pin 2
pin 4	pin 4
pin 5	pin 5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB24109.
 - 3) Re-install the Computing and Communications Unit (CCU), M24510. To install it, do this task: Computing and Communications Unit - Installation, AMM TASK 24-09-00-400-811-002.

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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** —————

863. **PSEU 1 (R1) No Input From ELMS P110 on Systems 629 Bus-R - Fault Isolation**

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79621.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the Computing and Communication Unit (CCU), M24502 in the ELMS P110.

This is the task:

Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32301, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24207, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the CCU, M24502 to the Systems 629 Bus-R.

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

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the PSEU 1 to the coupler (WDM 32-08-11):
 - (a) Remove the PSEU 1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DB32301 from the coupler, B32301.
 - (c) Do a wiring check between these pins of connector DM32021AA at the E1-5 shelf and connector DB32301 at the P211 panel (WDM 32-08-11):

DM32021AA	DB32301
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32301.
 - 3) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect DB32301.
- (g) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (6) Do this check of the wiring from the Computing and Communications Unit (CCU), M24502 to the coupler (WDM 24-09-24):
 - (a) Remove the CCU, M24502. To remove it, do this task: Computing and Communications Unit - Removal, AMM TASK 24-09-00-000-815-002.
 - (b) Disconnect connector DB24207 from the coupler, B24207.
 - (c) Do a wiring check between these pins of connector D11009 at the P110 panel and connector DB24207 at the P211 panel (WDM 24-09-24):

D11009	DB24207
pin 1	pin 1
pin 2	pin 2
pin 4	pin 4
pin 5	pin 5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB24207.
 - 3) Re-install the CCU, M24502. To install it, do this task: Computing and Communications Unit - Installation, AMM TASK 24-09-00-400-811-002.

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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** —————

865. **PSEU 2(R2) No Input From ELMS P110 on Systems 629 Bus-R - Fault Isolation**

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79622.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the Computing and Communication Unit (CCU), M24502 in the ELMS P110.

This is the task:

Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32302, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24207, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the CCU, M24502 to the Systems 629 Bus-R.

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

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the PSEU 2 to the coupler (WDM 32-08-21):
 - (a) Remove the PSEU 2, M32025. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DB32302 from the coupler, B32302.
 - (c) Do a wiring check between these pins of connector DM32025AD at the E4-1 shelf and connector DB32302 at the P211 panel (WDM 32-08-21):

DM32025AD	DB32302
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32302.
 - 3) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect DB32302.
- (g) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (6) Do this check of the wiring from the Computing and Communications Unit (CCU), M24502 to the coupler (WDM 24-09-24):
 - (a) Remove the CCU, M24502. To remove it, do this task: Computing and Communications Unit - Removal, AMM TASK 24-09-00-000-815-002.
 - (b) Disconnect connector DB24207 from the coupler, B24207.
 - (c) Do a wiring check between these pins of connector D11009 at the P110 panel and connector DB24207 at the P211 panel (WDM 24-09-24):

D11009	DB24207
pin 1	pin 1
pin 2	pin 2
pin 4	pin 4
pin 5	pin 5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB24207.
 - 3) Re-install the CCU, M24502. To install it, do this task: Computing and Communications Unit - Installation, AMM TASK 24-09-00-400-811-002.

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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** ————

868. PSEU 1(R1) No Input From ELMS P210 on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79625.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the Computing and Communication Unit (CCU), M24506 in the ELMS P210.
This is the task:
Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32301, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24208, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the CCU, M24506 to the Systems 629 Bus-R.

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

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the PSEU 1 to the coupler (WDM 32-08-11):
 - (a) Remove the PSEU 1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DB32301 from the coupler, B32301.
 - (c) Do a wiring check between these pins of connector DM32021AA at the E1-5 shelf and connector DB32301 at the P211 panel (WDM 32-08-11):

DM32021AA	DB32301
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32301.
 - 3) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect DB32301.
- (g) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (6) Do this check of the wiring from the Computing and Communications Unit (CCU), M24506 to the coupler (WDM 24-09-25):
 - (a) Remove the CCU, M24506. To remove it, do this task: Computing and Communications Unit - Removal, AMM TASK 24-09-00-000-815-002.
 - (b) Disconnect connector DB24208 from the coupler, B24208.
 - (c) Do a wiring check between these pins of connector D21009 at the P210 panel and connector DB24208 at the P211 panel (WDM 24-09-25):

D21009	DB24208
pin 1	pin 1
pin 2	pin 2
pin 4	pin 4
pin 5	pin 5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB24208.
 - 3) Re-install the CCU, M24506. To install it, do this task: Computing and Communications Unit - Installation, AMM TASK 24-09-00-400-811-002.

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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** —————

870. **PSEU 2(R2) No Input From ELMS P210 on Systems 629 Bus-R - Fault Isolation**

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79626.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the Computing and Communications Unit (CCU), M24506 in the ELMS P210.
This is the task:
Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32302, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24208, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the Computing and Communications Unit to the Systems 629 Bus-R.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the PSEU 2 to the coupler (WDM 32-08-21):
 - (a) Remove the PSEU 2, M32025. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DB32302 from the coupler, B32302.
 - (c) Do a wiring check between these pins of connector DM32025AD t the E4-1 shelf and connector DB32302 at the P211 panel (WDM 32-08-21):

DM32025AD	DB32302
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32302.
 - 3) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect DB32302.
- (g) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (6) Do this check of the wiring from the Computing and Communication Unit (CCU), M24506 to the coupler (WDM 24-09-25):
 - (a) Remove the Computing and Communication Unit (CCU), M24506. To remove it, do this task: Computing and Communications Unit - Removal, AMM TASK 24-09-00-000-815-002.
 - (b) Disconnect connector DB24208 from the coupler, B24208.
 - (c) Do a wiring check between these pins of connector D21009 at the P210 panel and connector DB24208 at the P211 panel (WDM 24-09-25):

D21009	DB24208
pin 1	pin 1
pin 2	pin 2
pin 4	pin 4
pin 5	pin 5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB24208.

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- 3) Re-install the Computing and Communication Unit (CCU), M24506. To install it, do this task: Computing and Communications Unit - Installation, AMM TASK 24-09-00-400-811-002.
- 4) 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. PSEU 1(R1) No Input From ELMS P310 on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79645.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the Computing and Communications Unit (CCU), M24510 in the ELMS P310.
This is the task:
Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32301, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24209, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the CCU, M24510 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the PSEU 1 to the coupler (WDM 32-08-11):
 - (a) Remove the PSEU 1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DB32301 from the coupler, B32301.
 - (c) Do a wiring check between these pins of connector DM32021AA at the E1-5 shelf and connector DB32301 at the P211 panel (WDM 32-08-11):

DM32021AA	DB32301
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32301.
 - 3) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect DB32301.
- (g) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (6) Do this check of the wiring from the Computing and Communications Unit (CCU), M24510 to the coupler (WDM 24-09-26):
 - (a) Remove the CCU, M24510. To remove it, do this task: Computing and Communications Unit - Removal, AMM TASK 24-09-00-000-815-002.
 - (b) Disconnect connector DB24209 from the coupler, B24209.
 - (c) Do a wiring check between these pins of connector D31008 at the P310 panel and connector DB24209 at the P211 panel (WDM 24-09-25):

D31008	DB24209
pin 1	pin 1
pin 2	pin 2
pin 4	pin 4
pin 5	pin 5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).

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- 2) Re-connect DB24209.
- 3) Re-install the Computing and Communication Unit (CCU), M24510. To install it, do this task: Computing and Communications Unit - Installation, AMM TASK 24-09-00-400-811-002.
- 4) 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. PSEU 2(R2) No Input From ELMS P310 on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79650.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the Computing and Communications Unit (CCU), M24510 in the ELMS P310.
This is the task:
Computing and Communication Unit - Exchange Check, AMM TASK 24-09-00-700-802-002.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32302, in the P211 panel

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B24209, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the CCU, M24510 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the PSEU 2 to the coupler (WDM 32-08-21):
 - (a) Remove the PSEU 2, M32025. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DB32302 from the coupler, B32302.
 - (c) Do a wiring check between these pins of connector DM32025AD at the E4-1 shelf and connector DB32302 at the P211 panel (WDM 32-08-21):

DM32025AD	DB32302
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32302.
 - 3) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect DB32302.
- (g) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (6) Do this check of the wiring from the Computing and Communications Unit (CCU), M24510 to the coupler (WDM 24-09-26):
 - (a) Remove the CCU, M24510. To remove it, do this task: Computing and Communications Unit - Removal, AMM TASK 24-09-00-000-815-002.
 - (b) Disconnect connector DB24209 from the coupler, B24209.
 - (c) Do a wiring check between these pins of connector D31008 at the P310 panel and connector DB24209 at the P211 panel (WDM 24-09-26) :

D31008	DB24209
pin 1	pin 1
pin 2	pin 2
pin 4	pin 4
pin 5	pin 5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).

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- 2) Re-connect DB24209.
- 3) Re-install the CCU, M24510. To install it, do this task: Computing and Communications Unit - Installation, AMM TASK 24-09-00-400-811-002.
- 4) 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. PSEU 1 Passenger Door Function Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71301, 32-71302.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 (WDM 31-41-18):
 - (a) Remove the proximity sensor electronics unit (PSEU) 1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Remove the ground test control panel, M31005. To remove it, do this task: Ground Test Switch Module Removal, AMM TASK 45-10-01-000-801
 - (c) Disconnect connector DM31005A from the ground test control panel, M31005 (WDM 31-41-18).
 - (d) Do a wiring check between these pins of connector DM31005A at the panel, M31005, and connector DM32021AA at the E1-5 shelf (WDM 31-41-18):

DM31005A

DM32021AA

pin 4 pin K11

- (e) Do a wiring check between these pins of connector DM31005A at the panel, M31005, and connector DM32021AD at the E1-5 shelf (WDM 31-41-18):

DM31005A

DM32021AD

pin 9 pin K11

- (f) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect DM31005A.
 - 3) Re-install the ground test control panel, M31005. To install it, do this task: Ground Test Switch Module Installation, AMM TASK 45-10-01-400-801.
 - 4) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (g) If you do not find a problem with the wiring, then continue.

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- (h) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (2) Replace the GFT TEST switch, S1, in the panel, M31005.
- These are the tasks:
- Ground Test Switch Module Removal, AMM TASK 45-10-01-000-801,
Ground Test Switch Module Installation, AMM TASK 45-10-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the circuit card assembly CCA, Aux Driver, B03 in PSEU 1.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable circuit card assembly in the PSEU 1 as shown in the table that below.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

MAINTENANCE MESSAGE	CIRCUIT CARD ASSEMBLY (CCA) IN PSEU 1, M32021 (E5-1 Shelf)
32-71301	CCA, Comm Processor, B02
32-71302	CCA, Comm Processor, B09
(a) If the MAT shows NOT ACTIVE for the maintenance 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 PSEU 1, M32021.	
These are the tasks:	
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801, Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.	
(a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.	

————— **END OF TASK** —————

876. PSEU 1 Cargo Door Function Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71331, 32-71332.

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B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Do this check of the wiring (WDM 31-41-18):
 - (a) Remove the proximity sensor electronics unit (PSEU) 1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Remove the ground test control panel, M31005. To remove it, do this task: Ground Test Switch Module Removal, AMM TASK 45-10-01-000-801.
 - (c) Disconnect connector DM31005A from the panel, M31005 (SSM 32-08-11).
 - (d) Do a wiring check between this pin of connector DM31005A at the panel, M31005, and connector DM32021AA at the E1-5 shelf (WDM 31-41-18):

DM31005A

pin 4

DM32021AA

pin K11

- (e) Do a wiring check between this pin of connector DM31005A at the ground test control panel, M31005, and connector DM32021AD at the E1-5 shelf (WDM 31-41-18):

DM31005A

pin 9

DM32021AD

pin K11

- (f) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect DM31005A.
 - 3) Re-install the ground test control panel, M31005. To install it, do this task: Ground Test Switch Module Installation, AMM TASK 45-10-01-400-801
 - 4) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (g) If you do not find a problem with the wiring, then continue.
 - (h) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - (2) Replace the GND TEST switch, S1, in the panel, M31005.

These are the tasks:

Ground Test Switch Module Removal, AMM TASK 45-10-01-000-801,
Ground Test Switch Module Installation, AMM TASK 45-10-01-400-801.

 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
 - (3) Replace the circuit card assembly CCA, Cargo Door Prox Driver, B04 in PSEU 1.

These are the tasks:

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PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable circuit card assembly in the PSEU 1 as shown in the table that below.
These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

MAINTENANCE MESSAGE	CIRCUIT CARD ASSEMBLY (CCA)
	IN PSEU 1, M32021 (E5-1 Shelf)

32-71331	CCA, Comm Processor, B02

32-71332	CCA, Comm Processor, B09

- (a) If the MAT shows NOT ACTIVE for the maintenance 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 PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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

————— **END OF TASK** —————

877. PSEU 1 Landing Gear Prox Driver Function Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71351, 32-71352.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 (WDM 31-41-18):
 - (a) Remove the proximity sensor electronics unit (PSEU) 1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Remove the ground test control panel, M31005. To remove it, do this task: Ground Test Switch Module Removal, AMM TASK 45-10-01-000-801.
 - (c) Disconnect connector DM31005A from the ground test control panel, M31005 (WDM 31-41-18).

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- (d) Do a wiring check between this pin of connector DM31005A at the panel, M31005, and connector DM32021AA at the E1-5 shelf (WDM 31-41-18):

DM31005A	DM32021AA
pin 4	pin K11

- (e) Do a wiring check between this pin of connector DM31005A at the panel, M31005, and connector DM32021AD at the E1-5 shelf (WDM 31-41-18):

DM31005A	DM32021AD
pin 9	pin K11

- (f) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect DM31005A.
 - 3) Re-install the ground test control panel, M31005. To install it, do this task: Ground Test Switch Module Installation, AMM TASK 45-10-01-400-801.
 - 4) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (g) If you do not find a problem with the wiring, then continue.
- (h) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (2) Replace the GND TEST switch, S1, in the panel, M31005.

These are the tasks:

Ground Test Switch Module Removal, AMM TASK 45-10-01-000-801,

Ground Test Switch Module Installation, AMM TASK 45-10-01-400-801.

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

- (3) Replace the circuit card assembly CCA, Landing Gear Prox Driver, B07 in PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

- (4) Replace the applicable circuit card assembly in the PSEU 1 as shown in the table below.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

MAINTENANCE MESSAGE

CIRCUIT CARD ASSEMBLY (CCA)
IN PSEU 1, M32021 (E1-5 Shelf)

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32-71351 CCA, Comm Processor, B02

32-71352 CCA, Comm Processor, B09

- (a) If the MAT shows NOT ACTIVE for the maintenance 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 PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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

————— **END OF TASK** —————

878. PSEU 2 Landing Gear Prox Driver Function Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-72321, 32-72322.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 (WDM 31-41-18):
 - (a) Remove the proximity sensor electronics unit (PSEU) 2, M32025. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Remove the ground test control panel, M31005. To remove it, do this task: Ground Test Switch Module Removal, AMM TASK 45-10-01-000-801.
 - (c) Disconnect connector DM31005A from the ground test control panel, M31005 (WDM 31-41-18).
 - (d) Do a wiring check between this pin of connector DM31005A at the panel, M31005, and connector DM32025AA at the E4-1 shelf (WDM 31-41-18):

DM31005A

pin 4

DM32025AA

pin K11

- (e) Do a wiring check between this pin of connector DM31005A at the panel, M31005, and connector DM32025AD at the E4-1 shelf (WDM 31-41-18):

DM31005A

pin 9

DM32025AD

pin K11

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

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- (g) Re-connect DM31005A.
 - (h) Re-install the ground test control panel, M31005. To install it, do this task: Ground Test Switch Module Installation, AMM TASK 45-10-01-400-801.
 - 1) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (i) If you do not find a problem with the wiring, then continue.
 - (j) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (2) Replace the GND TEST switch, S1, in the panel, M31005.
- These are the tasks:
- Ground Test Switch Module Removal, AMM TASK 45-10-01-000-801,
Ground Test Switch Module Installation, AMM TASK 45-10-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the circuit card assembly CCA, Landing Gear Prox Driver, B07 in PSEU 2.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the applicable circuit card assembly in the PSEU 2 as shown in the table below.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

MAINTENANCE MESSAGE	CIRCUIT CARD ASSEMBLY (CCA)
	IN PSEU 2, M32025 (E4-1 Shelf)
32-72321	CCA, Comm Processor, B09
32-72322	CCA, Comm Processor, B02
(a) If the MAT shows NOT ACTIVE for the maintenance 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 PSEU 2, M32025. These are the tasks: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801, Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.	

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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. PSEU 2 Configuration Jumpers Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71392.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 proximity sensor electronics unit (PSEU) 2, M32025. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (b) Make sure the pins K9 and K10 of the connector DM32021AE agree with (WDM 52-71-15).
- (c) If the pins do not agree with (WDM 52-71-15), then do these steps:
- 1) Change the wiring to agree with (WDM 52-71-15).
 - 2) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If the pins agree with (WDM 52-71-15), then continue.
- (e) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (2) Replace the circuit card assembly CCA, Prox Driver, B04.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PSEU 2, M32025.
- These are the tasks:
- Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

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880. PSEU 1(L1) CCA B03 Path Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71650.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 power wiring:
 - (a) Remove the circuit card assembly CCA, Aux Driver, B03, do this task: PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801.
 - (b) Do a check for 28 VDC between pin 5 of connector DM32021AF of the proximity sensor electronics unit (PSEU) 1, M32021, and structure ground (WDM 52-34-11):
 - (c) If there is not 28 VDC at pin 5 of connector DM32021AF, then do these steps:
 - 1) Open the P320 Ground Service/Handling Power panel.
 - 2) Do a check for 28 VDC at the load terminal of circuit breaker C52604.
 - 3) If there is not 28 VDC at the circuit breaker, then do these steps:
 - a) Replace this circuit breaker:
(WDM 52-34-11)

Ground Service/Handling Power Panel, P320

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	11	C52604	CGO DR CTRL

- b) Re-install the circuit card assembly CCA, Aux Driver, B03. To install it, do this task: PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 4) If there is 28 VDC at the circuit breaker, then do these steps:
 - a) Repair the wiring between pin 5 of connector DM32021AF of the PSEU 1, M32021 and the load terminal of circuit breaker, C52604 (WDM 52-34-11).
 - b) Re-install the circuit card assembly CCA, Aux Driver, B03 . To install it, do this task: PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (d) If there is 28 VDC at pin 5 of connector DM32021AF, then continue.
- (2) Install a new circuit card assembly CCA, Aux Driver, B03 in PSEU 1. To install it, These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PSEU 1, M32021.
These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

881. **PSEU 1(L1) Power Supply Reset Function Problems - Fault Isolation**

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71681.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 (WDM 32-08-11):
 - (a) Remove the proximity sensor electronics unit (PSEU) 1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801
 - (b) Disconnect connector D11026P from the P110 panel. (WDM 32-08-11)
 - (c) Do a wiring check between this pin of connector D11026P at the P110 panel, and connector DM32021AF at the E1-5 shelf (WDM 32-08-11) :

D11026P

DM32021AF

pin 9 pin 29

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect D11026P.
 - 3) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect D11026P.
- (g) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (2) Replace this circuit breaker:
(WDM 32-08-11)

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Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
H	26	C32600	PSEU 1 PRI PWR

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the circuit card assembly CCA, Power Supply, A01 in PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. PSEU 1(R1) Power Supply Reset Function Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71682.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 (WDM 32-08-11):
 - (a) Remove the proximity sensor electronics unit (PSEU) 1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector D31037P from the P310 panel (WDM 32-08-11).
 - (c) Do a wiring check between this pin of connector D31037P at the P310 panel, and connector DM32021AC at the E1-5 shelf (WDM 32-08-11):

D31037P

DM32021AC

pin 31 pin 25

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

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- 2) Re-connect D31037P.
 - 3) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (e) If you do not find a problem with the wiring, then continue.
 - (f) Re-connect D31037P.
 - (g) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (2) Replace this circuit breaker:
(WDM 32-08-11)

Standby Power Management Panel, P310

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	1	C32603	PSEU 1 ALTN PWR

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the circuit card assembly CCA, Power Supply, A18 in PSEU 1.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the PSEU 1, M32021.
- These are the tasks:
- Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (a) 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. PSEU 1 (L1) ARINC 429 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72041.

B. Initial Evaluation

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

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C. Fault Isolation Procedure

(1) Do this check of the wiring:

- (a) Remove the proximity sensor electronics unit (PSEU) 2, M32025. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (b) For the PSEU 1, M32021, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (c) Do a wiring check between these pins of connector DM32025AD at the PSEU 2, and connector DM32021AD at the E1-5 shelf (WDM 32-08-21):

DM32025AD

pin C10
pin C11
pin A10
pin A11

DM32021AD

pin A10
pin A11
pin C10
pin C11

- (d) Do a wiring check between these pins of connector DM32021AA at the PSEU 1, and connector DM32025AA at the E4-1 shelf (WDM 32-08-21):

DM32021AA

pin A10
pin A11
pin C10
pin C11

DM32025AA

pin C10
pin C11
pin A10
pin A11

- (e) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801 .
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (f) If you do not find a problem with the wiring, then continue.
 - (g) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801 .
 - (h) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801 .
- (2) Replace the circuit card assembly CCA, Comm Processor, B02 in the PSEU 1.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the circuit card assembly CCA, Comm Processor, B09 in PSEU 2.
- These are the tasks:

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PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance 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 PSEU 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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

————— **END OF TASK** —————

884. PSEU 1 (L1) ARINC 429 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72042.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 proximity sensor electronics unit (PSEU) 2, M32025. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) For the PSEU 1, M32021, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (c) Do a wiring check between these pins of connector DM32025AD at the PSEU 2, and connector DM32021AD at the E1-5 shelf (WDM 32-08-21):

DM32025AD

pin C10
pin C11
pin A10
pin A11

DM32021AD

pin A10
pin A11
pin C10
pin C11

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- (d) Do a wiring check between these pins of connector DM32021AA at the PSEU 1, and connector DM32025AA at the E4-1 shelf (WDM 32-08-21):

DM32021AA	DM32025AA
pin A10	pin C10
pin A11	pin C11
pin C10	pin A10
pin C11	pin A11

- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue.
- (g) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (h) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (2) Replace the circuit card assembly CCA, Comm Processor, B02 in the PSEU 1.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the circuit card assembly CCA, Comm Processor, B02 in PSEU 2.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the PSEU 1, M32021.
- These are the tasks:
- Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance 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 PSEU 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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

————— **END OF TASK** —————

885. PSEU 1 (R1) ARINC 429 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72051.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 proximity sensor electronics unit (PSEU) 2, M32025. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (b) For the PSEU 1, M32021, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (c) Do a wiring check between these pins of connector DM32025AD at the PSEU 2, and connector DM32021AD at the E1-5 shelf (WDM 32-08-21):

DM32025AD

pin C10
pin C11
pin A10
pin A11

DM32021AD

pin A10
pin A11
pin C10
pin C11

- (d) Do a wiring check between these pins of connector DM32021AA at the PSEU 1, and connector DM32025AA at the E4-1 shelf (WDM 32-08-21):

DM32021AA

pin A10
pin A11
pin C10
pin C11

DM32025AA

pin C10
pin C11
pin A10
pin A11

- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue.
- (g) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (h) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (2) Replace the circuit card assembly CCA, Comm Processor, B09 in the PSEU 1.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the circuit card assembly CCA, Comm Processor, B09 in PSEU 2.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the PSEU 1, M32021.
These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance 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 PSEU 2, M32025.
These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

886. PSEU 1 (R1) ARINC 429 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72052.

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B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Do this check of the wiring:
 - (a) Remove the proximity sensor electronics unit (PSEU) 2, M32025. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) For the PSEU 1, M32021, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (c) Do a wiring check between these pins of connector DM32025AD at the PSEU 2, and connector DM32021AD at the E1-5 shelf (WDM 32-08-21):

DM32025AD

pin C10
pin C11
pin A10
pin A11

DM32021AD

pin A10
pin A11
pin C10
pin C11

- (d) Do a wiring check between these pins of connector DM32021AA at the PSEU 1, and connector DM32025AA at the E4-1 shelf (WDM 32-08-21):

DM32021AA

pin A10
pin A11
pin C10
pin C11

DM32025AA

pin C10
pin C11
pin A10
pin A11

- (e) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (f) If you do not find a problem with the wiring, then continue.
 - (g) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - (h) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (2) Replace the circuit card assembly CCA, Comm Processor, B09 in the PSEU 1.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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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 circuit card assembly CCA, Comm Processor, B02 in PSEU 2.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the PSEU 1, M32021.
These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance 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 PSEU 2, M32025.
These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

— END OF TASK —

887. PSEU 2 (R2) ARINC 429 Problems (label 2XX) - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72061.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in the PSEU 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

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- (2) Replace the circuit card assembly CCA, Comm Processor, B09 in PSEU 2.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PSEU 2, M32025.
These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

888. PSEU 2 (L2) ARINC 429 Problems (label 3XX) - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72062.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in PSEU 2.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Comm Processor, B02 in the PSEU 2.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PSEU 2, M32025.
These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

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Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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

————— END OF TASK —————

889. PSEU 2(L2) No Input From PSEU 1(L1) on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-72091, 32-72101, 32-72111, 32-72121.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
 - (2) Replace the circuit card assembly CCA, Comm Processor, B09 in the PSEU 2.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
- PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
 - (3) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
 - (4) Replace the PSEU 2, M32025.
- These are the tasks:
- Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
- Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the ARINC 629 coupler, B32215.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the PSEU 2 to the Systems 629 Bus-L.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler, B32115.
- These are the tasks:
- ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
- NOTE:** This coupler connects the PSEU 1 to the Systems 629 Bus-L.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (7) Do this check of the wiring from the PSEU 2 to the coupler (WDM 32-08-21):
- (a) Remove the PSEU 2, M32025. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (b) Disconnect connector DB32215 from the coupler, B32215.
- (c) Do a wiring check between these pins of connector DM32025AA at the E4-1 shelf and connector DB32215 at the P111 panel (WDM 32-08-21):
- | DM32025AA | DB32215 |
|-------------------|----------------|
| pin 2T | pin 5 |
| pin 2TR | pin 4 |
| pin 1T | pin 2 |
| pin 1TR | pin 1 |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32215.
 - 3) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect DB32215.
- (g) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (8) Do this check of the wiring from the PSEU 1 to the coupler (WDM 32-08-11):
- (a) Remove the PSEU 1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (b) Disconnect connector DB32115 from the coupler, B32115.

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- (c) Do a wiring check between these pins of connector DM32021AA at the E1-5 shelf and connector DB32115 at the P111 panel (WDM 32-08-11):

DM32021AA	DB32115
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1

- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32115.
 - 3) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

— END OF TASK —

890. PSEU 2(R2) No Input From PSEU 1(R1) on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-72092, 32-72102, 32-72112, 32-72122.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Comm Processor, B02 in the PSEU 2.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
- PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PSEU 1, M32021.

These are the tasks:

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Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the PSEU 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance 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, B32302, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the ARINC 629 coupler, B32301, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (7) Do this check of the wiring from the PSEU 2 to the coupler (WDM 32-08-21):
- (a) Remove the PSEU 2, M32025. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DB32302 from the coupler, B32302.
 - (c) Do a wiring check between these pins of connector DM32025AD at the E4-1 shelf and connector DB32302 at the P211 panel (WDM 32-08-21):

DM32025AD	DB32302
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).

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- 2) Re-connect DB32302.
- 3) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect DB32302.
- (g) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801 .
- (8) Do this check of the wiring from the PSEU 1 to the coupler (WDM 32-08-11):
 - (a) Remove the PSEU 1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DB32301 from the coupler, B32301.
 - (c) Do a wiring check between these pins of connector DM32021AD at the E1-5 shelf and connector DB32301 at the P211 panel (WDM 32-08-11):

DM32021AD	DB32301
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect DB32301.
 - 3) Re-install the PSEU 1, M32021. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801 .
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

END OF TASK

891. PSEU 1 (L1) or (R1) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-72891, 32-72892.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 from the PSEU 1 to the P61 Ground Test Control Panel. (WDM 31-41-18):
 - (a) Remove the Proximity Sensor Electronics Unit (PSEU) 1, M32021, from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.

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- (b) Disconnect connector DM31005A from the P61, GROUND TEST CONTROL PANEL.
- (c) Do a wiring check between the pin of connector DM31005A at the P61 panel, and the pin of connector DM32021AA at the E1-5 shelf:

DM31005A	DM32021AA
pin 4	pin K11

- (d) Do a wiring check between the pin of connector DM31005A at the P61 panel, and the pin of connector DM32021AD at the E1-5 shelf:

DM31005A	DM32021AD
pin 9	pin K11

- (e) Do a wiring check between the pin of connector DM31005A at the P61 panel, and the pin of connector DM32021AD at the E1-5 shelf:

DM31005A	DM32021AD
pin 9	pin K11

- (f) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect DM31005A.
 - 3) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (g) If you do not find a problem with the wiring, then continue.
- (h) Re-connect DM31005A.
- (i) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (2) Replace the GFT Enable Switch, M35001, in the P61 panel.

These are the tasks:

Ground Test Switch Module Removal, AMM TASK 45-10-01-000-801,
Ground Test Switch Module Installation, AMM TASK 45-10-01-400-801.

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

- (3) Replace the applicable circuit card assembly in the PSEU 1 as shown in the table below.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

MAINTENANCE MESSAGE

32-72891
32-72892

CIRCUIT CARD ASSEMBLY (CCA) IN PSEU, M32021 (E1 Rack)

CCA, Comm Processor, B02
CCA, Comm Processor, B09

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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 PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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

————— **END OF TASK** —————

892. PSEU 2 (L2) or (R2) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-72901, 32-72902.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 from the PSEU 2 to the P61 Ground Test Control Panel. (WDM 31-41-18):
 - (a) Remove the Proximity Sensor Electronics Unit (PSEU) 2, M32025, from the E4-1 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DM31005A from the P61, GROUND TEST CONTROL PANEL.
 - (c) Do a wiring check between the pin of connector DM31005A at the P61 panel, and the pin of connector DM32025AA at the E4-1 shelf:

DM31005A

DM32025AA

pin 4 pin K11

- (d) Do a wiring check between the pin of connector DM31005A at the P61 panel, and the pin of connector DM32025AD at the E4-1 shelf:

DB32115A

DM32025AD

pin 9 pin K11

- (e) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect DM31005A.
 - 3) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue.
- (g) Re-connect DM31005A.
- (2) Replace the GFT Enable Switch, M35001, in the P61 panel.
These are the tasks:
Ground Test Switch Module Removal, AMM TASK 45-10-01-000-801,
Ground Test Switch Module Installation, AMM TASK 45-10-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the applicable circuit card assembly in the PSEU 2 as shown in the table below.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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CIRCUIT CARD ASSEMBLY (CCA) IN PSEU, M32025 (E4 Rack)

32-72901

CCA, Comm Processor, B09

32-72902

CCA, Comm Processor, B02

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the PSEU 2, M32025.
These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (a) 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. PSEU 1 Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-73371, 32-73372.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Prox Driver, B04 in the PSEU 1.
These are the tasks:

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PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Aux Driver, B03 in the PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the applicable circuit card assembly in the PSEU 1 as shown in the table below.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

MAINTENANCE MESSAGE

CIRCUIT CARD ASSEMBLY (CCA) IN PSEU1, M32021 (E1 Rack)

32-73371

CCA, Comm Processor, B02

32-73372

CCA, Comm Processor, B09

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. PSEU 2 (L2) Main Power Supply Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72531.

B. Initial Evaluation

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

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C. Fault Isolation Procedure

- (1) Do a check for 28 VDC from pin 26 of connector D31038P to structure ground (WDM 32-08-21).
- (2) If there is not 28 VDC at pin 26 of connector D31038P, replace PSEU 2 ALTN POWER circuit breaker, C32624 (WDM 32-08-21).
- (3) If there is 28 VDC at pin 26 of connector D31038P, do these steps:
 - (a) Do this check of the wiring (WDM 32-08-21):
 - 1) Remove the proximity sensor electronics unit (PSEU) 2, M32025, from the E4-1 shelf. To remove it, (WDM 32-08-11).
 - 2) Disconnect connector D31038P from the P310 panel (WDM 32-08-21).
 - 3) Do a wiring check between these pins of connector D31038P at the P310 panel, and connector DM32025AC at the E4-1 shelf (WDM 32-08-21):

D31038P

DM32025AC

pin 26 pin 25

- (b) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect D31038P.
 - 3) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the circuit card assembly CCA, Power Supply, A18 in the PSEU 2.

These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the PSEU 2, M32025.

These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

 - (a) 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. PSEU 2 (R2) Main Power Supply Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72532.

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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 a check for 28 VDC from pin 7 of connector D21026P to structure ground (WDM 32-08-21).
- (2) If there is not 28 VDC at pin 7 of connector D21026P, replace PSEU 2 PRI POWER circuit breaker, C32601 (WDM 32-08-21).
- (3) If there is 28 VDC at pin 7 of connector D21026P, do these steps:
 - (a) Do this check of the wiring (WDM 32-08-21):
 - 1) Remove the proximity sensor electronics unit (PSEU) 2, M32025, from the E4-1 shelf. To remove it, (WDM 32-08-11).
 - 2) Disconnect connector D21026P from the P210 panel (WDM 32-08-21).
 - 3) Do a wiring check between these pins of connector D21026P at the P210 panel, and connector DM32025AF at the E4-1 shelf (WDM 32-08-21):

D21026P

pin 7

DM32025AF

pin 29

- (b) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect D21026P.
 - 3) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the circuit card assembly CCA, Power Supply, A01 in the PSEU 2.

These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the PSEU 2, M32025.

These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

 - (a) 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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896. CCA, Ldg Gear Prox Driver (PSEU 1) (TCAS) Analog Output Discrete Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-73310.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 (WDM 21-27-61):
- (a) Remove the traffic alert and collision avoidance system (TCAS) computer, M34006 from the E1-2 shelf. To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.
- (b) Remove the proximity sensor electronics unit (PSEU) 1 from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (c) Do a wiring check between these pins of connector DM32021AB at the E1-5 shelf and connector DM34006AE at the M34006 TCAS COMPUTER (WDM 34-45-14):

DM32021AB

DM34006AE

pin F14 pin F13

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the PSEU 1 to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (2) Install a new TCAS computer, M34006 in the E1-2 shelf. To install it, do this task: 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) Replace the circuit card assembly CCA, Landing Gear Prox Driver, B07 in the PSEU 1.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
- PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

——— **END OF TASK** ———

897. CCA, Ldg Gear Prox Driver (PSEU 1) Analog Output Discrete Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-73321.

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B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Do this check of the wiring from the proximity sensor electronics unit (PSEU) 1, M32021, to the Semi-Lever Gear Control Relay, K32031.: (WDM 32-31-12)
 - (a) Remove the PSEU 1 from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Do a wiring check between these pins of connector DK32031 at the Semi-Lever Gear Control Relay in the P110 Power Management Panel and connector DM32021AD at the PSEU 1 (WDM 32-31-12):

DK32031	DM32021AD
pin X2	pin J3

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect DK32031 in the P110 Power Management Panel.
 - 3) Re-install the PSEU 1 from the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (d) If you do not find a problem with the wiring, then continue.
- (2) Install a new Semi-Lever Gear Control Left Relay, K32031 in the P110 Power Management Panel. (WDM 32-31-12)
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the circuit card assembly CCA, Landing Gear Prox Driver, B07 in the PSEU 1.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

898. CCA, Ldg Gear Prox Driver (PSEU 2) Analog Output Discrete Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-73351.

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B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Do this check of the wiring from the proximity sensor electronics unit (PSEU) 2, M32025, to the Semi-Lever Gear Control Relay, K32032.: (WDM 32-31-13)
 - (a) Remove the PSEU 2 from the E4-1 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Do a wiring check between these pins of connector DK32032 at the Semi-Lever Gear Control Relay in the P210 Power Management Panel and connector DM32025AD at the PSEU 2 (WDM 32-31-12):

DK32032	DM32025AD
pin X2	pin J3

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect DK32032 in the P210 Power Management Panel.
 - 3) Re-install the PSEU 2 from the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (d) If you do not find a problem with the wiring, then continue.
- (2) Install a new Semi-Lever Gear Control Right Relay, K32032 in the P210 Power Management Panel.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the circuit card assembly CCA, Landing Gear Prox Driver, B07 in the PSEU 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

————— **END OF TASK** —————

899. Left Semi-Lever Gear Target Is Out Of Position - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-73323.

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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 SLG Left Hydraulic Strut Assembly, M32012.

These are the tasks:

Main Landing Gear (SLG) Hydraulic Strut Removal, AMM TASK 32-32-25-020-801,

Main Landing Gear (SLG) Hydraulic Strut Installation, AMM TASK 32-32-25-420-801.

- (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 —————

900. Right Semi-Lever Gear hydraulic strut fails to hold under load - fault isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-73353.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the SLG Right Hydraulic Strut Assembly, M32011.

These are the tasks:

Main Landing Gear (SLG) Hydraulic Strut Removal, AMM TASK 32-32-25-020-801,

Main Landing Gear (SLG) Hydraulic Strut Installation, AMM TASK 32-32-25-420-801.

- (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 —————

901. Left Semi-Lever Gear Target Is Out Of Position - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-73324.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the SLG Left Hydraulic Strut Assembly, M32012.

These are the tasks:

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Main Landing Gear (SLG) Hydraulic Strut Removal, AMM TASK 32-32-25-020-801,
Main Landing Gear (SLG) Hydraulic Strut Installation, AMM TASK 32-32-25-420-801.

- (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 from the P110 POWER MANAGEMENT PANAL to the LEFT SEMI-LEVERED GEAR, M32012: (WDM 32-31-12)
 - (a) Remove connector DM32012 from the left semi-levered gear, M32012.
 - (b) Remove connector D11023P from the P110 POWER MANAGEMENT PANAL.
 - (c) Do a wiring check between these pins of connector D11023P at the P110 POWER MANAGMENT PANEL and connector DM32012 at the left semi-levered gear (WDM 32-31-12):

D11023P	DM32012
pin 23	pin 1
- (d) 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.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Do a check for ground at pin 3 of connector DM32012 at the left semi-levered gear. (WDM 32-31-12):
- (g) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

902. Right Semi-Lever Gear Target Is Out Of Position - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-73354.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the SLG Right Hydraulic Strut Assembly, M32011.

These are the tasks:

Main Landing Gear (SLG) Hydraulic Strut Removal, AMM TASK 32-32-25-020-801,

Main Landing Gear (SLG) Hydraulic Strut Installation, AMM TASK 32-32-25-420-801.

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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) Do this check of the wiring from the P210 POWER MANAGEMENT PANAL to the RIGHT SEMI-LEVERED GEAR, M32011: (WDM 32-31-13)
 - (a) Remove connector DM32011 from the right semi-levered gear, M32011.
 - (b) Remove connector D21023P from the P210 POWER MANAGEMENT PANAL.
 - (c) Do a wiring check between these pins of connector D21023P at the P210 POWER MANAGMENT PANAL and connector DM32011 at the right semi-levered gear (WDM 32-31-13):

D21023P	DM32011
pin 23	pin 1

- (d) 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.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Do a check for ground at pin 3 of connector DM32011 at the right semi-levered gear. (WDM 32-31-13):
- (g) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

903. Relay (SLG L) has failed

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-73325, 32-73327.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 from the proximity sensor electronics unit (PSEU) 1, M32021, to the Semi-Lever Gear Control Relay, K32031.: (WDM 32-31-12)
 - (a) Remove the PSEU 1 from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Do a wiring check between these pins of connector DK32031 at the Semi-Lever Gear Control Relay in the P110 Power Management Panel and connector DM32021AD at the PSEU 1 (WDM 32-31-12):

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DK32031

DM32021AD

pin X2 pin J3

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect DK32031 in the P110 Power Management Panel.
 - 3) Re-install the PSEU 1 from the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (2) Install a new Semi-Lever Gear Control Left Relay, K32031 in the P110 Power Management Panel. (WDM 32-31-12)
 - (a) If the MAT shows NOT ACTIVE for the maintenance 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** —————

904. Relay (SLG R) has failed.

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-73355, 32-73357.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 from the proximity sensor electronics unit (PSEU) 2, M32025, to the Semi-Lever Gear Control Relay, K32032.: (WDM 32-31-13)
 - (a) Remove the PSEU 2 from the E4-1 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Do a wiring check between these pins of connector DK32032 at the Semi-Lever Gear Control Relay in the P210 Power Management Panel and connector DM32025AD at the PSEU 2 (WDM 32-31-12):

DK32032

DM32025AB

pin X2 pin J14

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect DK32032 in the P210 Power Management Panel.
 - 3) Re-install the PSEU 2 from the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.

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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.
- (d) If you do not find a problem with the wiring, then continue.
- (2) Install a new Semi-Lever Gear Control Right Relay, K32032 in the P210 Power Management 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.

———— END OF TASK ————

905. Left Semi-Lever Gear Target Is Out Of Position - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-73326.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Install a new Semi-Lever Gear Control Left Relay, K32031 in the P110 Power Management Panel. (WDM 32-31-12)
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (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 from the P110 POWER MANAGEMENT PANEL to the LEFT SEMI-LEVERED GEAR, M32012: (WDM 32-31-12)
 - (a) Remove connector DM32012 from the left semi-levered gear, M32012.
 - (b) Remove connector D11023P from the P110 POWER MANAGEMENT PANEL.
 - (c) Do a wiring check between these pins of connector D11023P at the P110 POWER MANAGEMENT PANEL and connector DM32012 at the left semi-levered gear (WDM 32-31-12):

D11023P	DM32012
pin 23	pin 1

- (d) 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.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Do a check for ground at pin 3 of connector DM32012 at the left semi-levered gear. (WDM 32-31-12):
- (g) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.

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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.
- 3) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the SLG Left Hydraulic Strut Assembly, M32012.

These are the tasks:

Main Landing Gear (SLG) Hydraulic Strut Removal, AMM TASK 32-32-25-020-801,

Main Landing Gear (SLG) Hydraulic Strut Installation, AMM TASK 32-32-25-420-801.

- (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 —————

906. Right Semi-Lever Gear Target Is Out Of Position - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-73356.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Install a new Semi-Lever Gear Control Right Relay, K32032 in the P210 Power Management 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 from the P210 POWER MANAGEMENT PANEL to the RIGHT SEMI-LEVERED GEAR, M32011: (WDM 32-31-13)
 - (a) Remove connector DM32011 from the right semi-levered gear, M32011.
 - (b) Remove connector D21023P from the P210 POWER MANAGEMENT PANEL.
 - (c) Do a wiring check between these pins of connector D21023P at the P210 POWER MANAGEMENT PANEL and connector DM32011 at the right semi-levered gear (WDM 32-31-13):

D21023P	DM32011
pin 23	pin 1

- (d) 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.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Do a check for ground at pin 3 of connector DM32011 at the right semi-levered gear. (WDM 32-31-13):
- (g) If you find a problem with the wiring, then do these steps:

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- 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.
- (3) Replace the SLG Right Hydraulic Strut Assembly, M32011.

These are the tasks:

Main Landing Gear (SLG) Hydraulic Strut Removal, AMM TASK 32-32-25-020-801,

Main Landing Gear (SLG) Hydraulic Strut Installation, AMM TASK 32-32-25-420-801.

- (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.

———— END OF TASK ————

907. CCA, Landing Gear Prox Driver (PSEU 1) (ECC) Analog Output Discrete Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-73330.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 (WDM 21-27-61):
 - (a) Disconnect connector DP8505 from the left card file, P85.
 - (b) Disconnect connector DV21585A from the V21585 VLV - EQPT COOL.
 - (c) Do a wiring check between these pins of connector DP8505 at the P85 SYSTEM CARD FILE - L and connector DV21585A at the V21585 VLV - EQPT COOL (WDM 21-27-61):

DP8505

pin 40 pin 7
pin 39 pin 9

DV21585A

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Connect connector DP8505 to the left card file, P85.
 - 3) Connect connector DV21585A to the V21585 VLV - EQPT COOL.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
 - 1) Connect connector DP8505 to the left card file, P85.
 - 2) Connect connector DV21585A to the V21585 VLV - EQPT COOL.
- (2) Do this check of the wiring (WDM 21-27-61):
 - (a) Do a wiring check between these pins of connector D31038P at the P310 panel and connector DM21004B at the M21004 LEFT EE COOL CONT (WDM 21-27-61):

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D31038P

pin 11 pin 8

DM21004B

- (b) Do a wiring check between these pins of connector D31023P at the P310 panel and connector DM21004B at the M21004 LEFT EE COOL CONT (WDM 21-27-61):

D31023P

pin 50 pin 7

DM21004B

- (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.
- (3) Replace the left equipment cooling controller, M21104.
- These are the tasks:
- Equipment Cooling Controllers Removal, AMM TASK 21-27-01-000-801,
Equipment Cooling Controllers Installation, AMM TASK 21-27-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the circuit card assembly CCA, Landing Gear Prox Driver, B07 in the PSEU 1.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

— END OF TASK —

908. CCA, Ldg Gear Prox Driver (PSEU 2) (TCAS) Analog Output Discrete Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-73340.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 (WDM 21-27-61):
- (a) Remove the traffic alert and collision avoidance system (TCAS) computer, M34006 from the E1-2 shelf. To remove it, do this task: TCAS Computer Removal, AMM TASK 34-45-01-000-801.

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- (b) Remove the proximity sensor electronics unit (PSEU) 2 from the E4-1 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (c) Do a wiring check between these pins of connector DM32025AB at the E4-1 shelf and connector DM34006AE at the M34006 TCAS COMPUTER (WDM 34-45-14):

DM32025AB

DM34006AE

pin F14 pin F13

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the PSEU 2 to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (2) Install a new TCAS computer, M34006 in the E1-2 shelf. To install it, do this task: 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) Replace the circuit card assembly CCA, Landing Gear Prox Driver, B07 in the PSEU 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

— END OF TASK —

909. CCA, Landing Gear Prox Driver (PSEU 2) (ECC) Analog Output Discrete Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-73360.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 (WDM 21-27-61):
 - (a) Disconnect connector DP8405 from the right card file, P84.
 - (b) Disconnect connector DV21585B from the V21585 VLV - EQPT COOL.
 - (c) Do a wiring check between these pins of connector DP8405 at the P84 SYSTEM CARD FILE - R and connector DV21585B at the V21585 VLV - EQPT COOL (WDM 21-27-61):

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DP8405

pin 40 pin 7
pin 39 pin 9

DV21585B

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Connect connector DP8405 to the right card file, P84.
 - 3) Connect connector DV21585B to the V21585 VLV - EQPT COOL.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
 - 1) Connect connector DP8405 to the right card file, P84.
 - 2) Connect connector DV21585B to the V21585 VLV - EQPT COOL.
- (2) Do this check of the wiring (WDM 21-27-61):
 - (a) Do a wiring check between these pins of connector D31023P at the P310 panel and connector DM21207B at the M21207 RIGHT EE COOL CONT (WDM 21-27-61):

D31023P

pin 51 pin 7
pin 52 pin 12

DM21207B

- (b) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (c) If you do not find a problem with the wiring, then continue.
- (3) Replace the right equipment cooling controller, M21207.

These are the tasks:

Equipment Cooling Controllers Removal, AMM TASK 21-27-01-000-801,
Equipment Cooling Controllers Installation, AMM TASK 21-27-01-400-801.

 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the circuit card assembly CCA, Landing Gear Prox Driver, B07 in the PSEU 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

————— **END OF TASK** —————

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910. PSEU 1 (L1) Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-73461.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Aux Driver, B03 in PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the circuit card assembly CCA, Comm Processor, B09 in PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. PSEU 1 (R1) Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-73462.

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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 circuit card assembly CCA, Comm Processor, B09 in PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Aux Driver, B03 in PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the circuit card assembly CCA, Comm Processor, B02 in PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. PSEU 2 (L2) Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-73471, 32-73491, 32-73511.

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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 circuit card assembly CCA, Comm Processor, B09 in PSEU 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Comm Processor, B02 in PSEU 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PSEU 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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

————— END OF TASK —————

913. PSEU 2 (R2) Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-73472, 32-73492, 32-73512.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in PSEU 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Comm Processor, B09 in PSEU 2.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PSEU 2, M32025.
These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

914. PSEU 1 (L1) Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-73481, 32-73501.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in PSEU 1.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly CCA, Comm Processor, B09 in PSEU 1.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (3) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. PSEU 1 (R1) Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-73482, 32-73502.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

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

- (2) Replace the circuit card assembly CCA, Comm Processor, B02 in PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

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

- (3) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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

————— **END OF TASK** —————

916. PSEU 1(L1) No Input From Left AIMS on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79437.

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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 circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M009) in the left AIMS (P11).

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B32115, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 1 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (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 (M31101) to the Systems 629 Bus-L.

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

————— **END OF TASK** —————

917. PSEU 2(L2) No Input From Left AIMS on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79438.

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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 circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M009) in the left AIMS.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B32215, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 2 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (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 (M31101) to the Systems 629 Bus-L.

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

————— **END OF TASK** —————

918. PSEU 1(L1) No Input From Right AIMS on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79439.

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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 circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32115, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 1 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (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 (M31201) to the Systems 629 Bus-L.

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

————— **END OF TASK** —————

919. PSEU 2(L2) No Input From Right AIMS on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79440.

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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 circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32215, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 2 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (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 (M31201) to the Systems 629 Bus-L.

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

————— **END OF TASK** —————

920. PSEU 1(R1) No Input From Left AIMS on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79637.

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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 circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M004) in the left AIMS (P11).

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B32301, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (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 (M31101) 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** —————

921. PSEU 2(R2) No Input From Left AIMS on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79638.

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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 circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M004) in the left AIMS.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B32302, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (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 (M31101) 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** —————

922. PSEU 1(R1) No Input From Right AIMS on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79639.

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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 circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M004) in the right AIMS.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B32301, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 1 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31214, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the right AIMS (M31201) 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 —————

923. PSEU 2(R2) No Input From Right AIMS on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79640.

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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 circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM (M004) in the right AIMS (P11).

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B32302, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31214, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the Right AIMS (M31201) 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** —————

924. CCA, Landing Gear Prox Driver (PSEU 1) Analog Output Discrete Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-73320.

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B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Do this check of the wiring from the AIMS-L cabinet to the proximity sensor electronics unit (PSEU) 1:
 - (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 PSEU 1 from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (c) Do a wiring check between these pins of connector J410–A at the left AIMS cabinet and connector DM32021AB at the PSEU 1 (WDM 32-61-51) (WDM 31-41-04):

J410-A

DM32021AB

pin E7 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 to 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 PSEU 1 from the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - 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 from the AIMS-R cabinet to the proximity sensor electronics unit (PSEU) 1:
 - (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 PSEU 1 from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (c) Do a wiring check between these pins of connector J410–A at the right AIMS cabinet and connector DM32021AB at the PSEU 1 (WDM 32-61-51) (WDM 31-41-07):

J410-A

DM32021AB

pin E7 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 to 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 PSEU 1 from the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.

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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.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Do this check of the wiring from the AIMS-L cabinet to the proximity sensor electronics unit (PSEU) 1:
- (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) Remove the PSEU 1 from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (c) Do a wiring check between these pins of connector J420–A at the left AIMS cabinet and connector DM32021AB at the PSEU 1 (WDM 32-61-51) (WDM 31-41-04):
- | | |
|------------------|------------------|
| J420-A | DM32021AB |
| pin E7 | pin G14 |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the IOM(M009) module to 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 PSEU 1 from the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - 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) Do this check of the wiring from the AIMS-R cabinet to the proximity sensor electronics unit (PSEU) 1:
- (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) Remove the PSEU 1 from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (c) Do a wiring check between these pins of connector J420–A at the right AIMS cabinet and connector DM32021AB at the PSEU 1 (WDM 32-61-51) (WDM 31-41-07):
- | | |
|------------------|------------------|
| J420-A | DM32021AB |
| pin E7 | pin G14 |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the IOM(M009) module to 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 PSEU 1 from the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - 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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- (5) Replace the circuit card assembly CCA, Landing Gear Prox Driver, B07 in the proximity sensor electronics unit (PSEU) 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

————— **END OF TASK** —————

925. CCA, Landing Gear Prox Driver (PSEU 2) Analog Output Discrete Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-73350.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 from the AIMS-L cabinet to the proximity sensor electronics unit (PSEU) 2:
- (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 PSEU 2 from the E4-1 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (c) Do a wiring check between these pins of connector J240–A at the left AIMS cabinet and connector DM32025AB at the PSEU 2 (WDM 32-61-51) (WDM 31-41-05):

J240-A

DM32025AB

pin D6 pin G14

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the IOM(M003) module to the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 3) Re-install the PSEU 2 from the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- 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 from the AIMS-R cabinet to the proximity sensor electronics unit (PSEU) 2:
- (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.

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- (b) Remove the PSEU 2 from the E4-1 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (c) Do a wiring check between these pins of connector J240–A at the right AIMS cabinet and connector DM32025AB at the PSEU 2 (WDM 32-61-51) (WDM 31-41-08):

J240-A	DM32025AB
pin D6	pin G14

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the IOM(M003) module to the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - 3) Re-install the PSEU 2 from the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - 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 from the AIMS-L cabinet to the proximity sensor electronics unit (PSEU) 2:
 - (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) Remove the PSEU 2 from the E4-1 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (c) Do a wiring check between these pins of connector J250–A at the left AIMS cabinet and connector DM32025AB at the PSEU 2 (WDM 32-61-51) (WDM 31-41-05):

J250-A	DM32025AB
pin D6	pin G14

- (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 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 PSEU 2 from the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - 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) Do this check of the wiring from the AIMS-R cabinet to the proximity sensor electronics unit (PSEU) 2:
 - (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) Remove the PSEU 2 from the E4-1 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (c) Do a wiring check between these pins of connector J250–A at the right AIMS cabinet and connector DM32025AB at the PSEU 2 (WDM 32-61-51) (WDM 31-41-07):

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J250-A

DM32025AB

pin D6 pin G14

- (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 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 PSEU 2 from the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - 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) Replace the circuit card assembly CCA, Landing Gear Prox Driver, B07 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

END OF TASK

926. Circuit Breaker (SLG L) in P110 has a fault

A. Maintenance Messages

- (1) This task is for maintenance message: 32-73322.

B. Description

- (1) There is a problem with the SEMI-LEVER GEAR CONTROL, LEFT Circuit Breaker, C32636.

C. Possible causes

- (1) SEMI-LEVER GEAR CONTROL, LEFT Circuit Breaker, C32636
- (2) Wiring

D. circuit Breakers

- (1) This is the primary circuit breaker related to the problem.

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
L	17	C32636	SEMI-LEVER GEAR CONTROL, LEFT

E. Related Data

- (1) WDM 32-31-12

F. Initial Evaluation

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

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G. Fault Isolation Procedure

- (1) Do a check for 28V DC from terminal 2 of circuit breaker, C32636 to structure ground (WDM 32-31-12).
 - (a) If you find 28V DC at terminal 2, replace the SEMI-LEVER GEAR CONTROL, LEFT circuit breaker, C32636. These are the tasks:
 - (Circuit Breaker - Removal, AMM TASK 24-09-00-000-818-002)
 - (Circuit Breaker - Installation, AMM TASK 24-09-00-400-814-002)
 - 1) If the Maintenance Access Terminal (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 you do not find 28V DC at pin 2 of circuit breaker C32636, do this check of the wiring (WDM 32-31-12):
 - 1) Remove the Proximity Sensor Electronics Unit (PSEU) 1, M32021, from the E1-5 Shelf. This is the task: (Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801).
 - 2) Do a wiring check between terminal 2 of circuit breaker, C32636, in the P110 Power Management Panel and pin J14 of the PSEU 1 connector DM32021AB at the E1-5 Shelf:

Circuit Breaker	PSEU-1
C32636	DM32021AB
Terminal 2	pin J14

- a) If you find a problem with the wiring, then do these steps:
 - <1> Repair the wiring.
 - <2> Re-install the PSEU 1, M32021, to the E1-5 shelf. This is the task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - <3> If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the problem.

————— **END OF TASK** —————

927. Circuit Breaker (SLG R) in P210 has a fault

A. Maintenance Messages

- (1) This task is for maintenance message: 32-73352.

B. Description

- (1) There is a problem with the SEMI-LEVER GEAR CONTROL, RIGHT Circuit Breaker, C32637.

C. Possible causes

- (1) SEMI-LEVER GEAR CONTROL, RIGHT Circuit Breaker, C32637
- (2) Wiring

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D. circuit Breakers

- (1) This is the primary circuit breaker related to the problem.

Right Power Management Panel, P210

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
L	22	C32637	SEMI-LEVER GEAR CONTROL, RIGHT

E. Related Data

- (1) WDM 32-31-13

F. Initial Evaluation

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

G. Fault Isolation Procedure

- (1) Do a check for 28V DC from terminal 2 of circuit breaker, C32637 to structure ground (WDM 32-31-13).
- (a) If you find 28V DC at terminal 2, replace the SEMI-LEVER GEAR CONTROL, RIGHT circuit breaker, C32637. These are the tasks:
- (Circuit Breaker - Removal, AMM TASK 24-09-00-000-818-002)
 - (Circuit Breaker - Installation, AMM TASK 24-09-00-400-814-002)
- 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 you do not find 28V DC at pin 2 of circuit breaker C32637, do this check of the wiring (WDM 32-31-13):
- 1) Remove the PSEU 2, M32025, from the E1-4 Shelf. This is the task: (Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801).
- 2) Do a wiring check between terminal 2 of circuit breaker, C32637, in the P210 Power Management Panel and pin J14 of the PSEU 2 connector DM32025AB at the E1-4 Shelf:

Circuit Breaker	PSEU-2
C32637	DM32025AB
Terminal 2	pin J14

- a) If you find a problem with the wiring, then do these steps:
- <1> Repair the wiring.
- <2> Re-install the PSEU 2, M32025, to the E1-4 Shelf. This is the task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- <3> 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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928. PSEU 1 Configuration Problem - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71286, 32-71287.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 proximity sensor electronics unit (PSEU) 1, M32021, from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Make sure the pins of the connector DM32021AB agree with WDM 32-08-11.
 - (c) If the pins do not agree with WDM 32-08-11, then do these steps:
 - 1) Change the wiring to agree with WDM 32-08-11.
 - 2) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (d) If the pins agree with WDM 32-08-11, then do these steps:
 - 1) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 2) Continue with the procedure.
- (2) Replace the applicable circuit card assembly in the proximity sensor electronics unit (PSEU) 1 as shown in the table below.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

MAINTENANCE MESSAGE	CIRCUIT CARD ASSEMBLY (CCA) IN PSEU, M32021 (E1 Rack)
32-71286	CCA, Comm Processor, B02
32-71287	CCA, Comm Processor, B09

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) 777-200 AIRPLANES;

Do a check of the wiring to make sure that the left slide compartment door proximity sensor inputs on PSEU 1, M32021, are open.

- (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) 777-200 AIRPLANES;
- Do these steps:
- (a) Do this check of the wiring to make sure that the left slide compartment door proximity sensor inputs and the left semi-lever gear proximity sensor inputs on PSEU 1, M32021, are open:
- 1) Remove the proximity sensor electronics unit (PSEU) 1, M32021, from the E1-5 shelf. To remove it, (AMM TASK 32-08-01-000-801).
 - 2) Do a wiring check at pin A7 and A8 of connector DM32021AA at the E1-5 shelf.
 - 3) Do a wiring check at pin H1 and H2 of connector DM32021AB at the E1-5 shelf.
- (b) If the circuits are not open, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (5) 777-300ER AIRPLANES;
- Do these steps:
- (a) Do this check of the wiring to make sure that the left semi-lever gear proximity sensor inputs on PSEU 1, M32021, are open:
- 1) Remove the proximity sensor electronics unit (PSEU) 1, M32021, from the E1-5 shelf. To remove it, (AMM TASK 32-08-01-000-801).
 - 2) Do a wiring check at pin H1 and H2 of connector DM32021AB at the E1-5 shelf.
- (b) If the circuits are not open, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (6) Replace the PSEU 1, M32021.
- These are the tasks:
- Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

929. PSEU 2 Configuration 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.

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B. Fault Isolation Procedure

- (1) Do this check of the wiring:
 - (a) Remove the proximity sensor electronics unit (PSEU) 2, M32025, from the E4-1 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Make sure the pins of the connector DM32025AB agree with WDM 32-08-21.
 - (c) If the pins do not agree with WDM 32-08-21, then do these steps:
 - 1) Change the wiring to agree with WDM 32-08-21.
 - 2) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (d) If the pins agree with WDM 32-08-21, then do these steps:
 - 1) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 2) Continue with the procedure.
- (2) Replace the applicable circuit card assembly in the proximity sensor electronics unit (PSEU) 2 as shown in the table below.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

MAINTENANCE MESSAGE

CIRCUIT CARD ASSEMBLY (CCA) IN PSEU, M32025 (E4 Rack)

32-71288

CCA, Comm Processor, B02

32-71289

CCA, Comm Processor, B09

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PSEU 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. PSEU 2 Has No Input from L AIMS on L ARINC 629 BUS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79435.

B. Initial Evaluation

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

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- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

- (2) Replace the IOM (M009) in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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

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

- (3) Replace the ARINC 629 I coupler, B32215, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 2 to the Systems 629 Bus-L.

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

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

- (4) Replace the ARINC 629 I 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 AIMS-L to the Systems 629 Bus-L.

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

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

————— END OF TASK —————

931. PSEU 2 Has No Input from L AIMS on R ARINC 629 BUS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79635.

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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 circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 2.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (2) Replace the IOM (M004) in the left AIMS cabinet.
These are the tasks:
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32302, in the P211 panel.
These are the tasks:
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
NOTE: This coupler connects the PSEU 2 to the Systems 629 Bus-R.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 R 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 AIMS-L to the Systems 629 Bus-R.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.

————— **END OF TASK** —————

932. PSEU 2 Has No Input from R AIMS on L ARINC 629 BUS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79436.

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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 circuit card assembly CCA, Comm Processor, B09 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (2) Replace the IOM (M009) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 I coupler, B32215, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 2 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 I 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 AIMS-R to the Systems 629 Bus-L.

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

————— **END OF TASK** —————

933. PSEU 2 Has No Input from R AIMS on R ARINC 629 BUS - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-79636.

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B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Comm Processor, B02 in the proximity sensor electronics unit (PSEU) 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (2) Replace the IOM (M004) in the right AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32302, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the PSEU 2 to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 R coupler, B31214, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the AIMS-R to the Systems 629 Bus-R.

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

————— **END OF TASK** —————

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801. Left Weight-On-Wheels Card Program Pin Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-21101.

B. 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: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground 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) Do a check for the correct configuration on the Weight-On-Wheels (WOW) card software. To do this check, do this task: WOW Software Installation, AMM TASK 32-09-02-400-802.
 - (a) If the software part number is correct, then continue with the procedure.
- (2) Replace the WOW Card - Left (A16) in the P85 Left System Cardfile with the WOW Card - Right (A16) in the P84 Right System Cardfile and replace the WOW Card - Right (A16) in the P84 Right System Cardfile with the WOW Card - Left (A16) in the P85 Left System Cardfile.

These are the tasks:

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

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

- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
- (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.
- (c) If the maintenance message 32-21100 shows on the ground test display, then do these steps:
 - 1) Replace the WOW Card - Right (A16) in the P84 Right System Cardfile with a new WOW Card - Right (A16).

These are the tasks:

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

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

- 2) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
- 3) If the maintenance message does not show on the ground test display, you corrected the fault.
- (d) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
- (e) If the maintenance message does not show on the ground test display, you corrected the fault.
- (f) If the maintenance message shows on the ground test display, then continue with the procedure.

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- (3) Remove the WOW Card - Left (A16) in the P85 Left System Cardfile. To remove it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
- (4) Install the extender card card, SPL-1658 into slot A16 in the P85 Left System Cardfile.
 - (a) Make sure the program pins 114 to 117 of the connector XA16 agree with SSM 32-09-11.
 - (b) If the program pins 114 and 117 do not agree with SSM 32-09-11, then do these steps:
 - 1) Change the wiring to agree with SSM 32-09-11.
 - 2) Re-install the WOW Card - Left (A16) in the P85 Left System Cardfile. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
 - 3) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
 - 4) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the program pins 114 and 117 agree with SSM 32-09-11, then do these steps:
 - 1) Install a new WOW Card - Left (A16) in the P85 Left System Cardfile. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
 - 2) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
 - 3) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

802. Right Weight-On-Wheels Card Program Pin Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-21100.

B. 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: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground 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) Do a check for the correct configuration on the Weight-On-Wheels (WOW) card software. To do this check, do this task: WOW Software Installation, AMM TASK 32-09-02-400-802.
 - (a) If the software part number is correct, then continue with this procedure.
- (2) Replace the WOW Card - Right (A16) in the P84 Right System Cardfile with the WOW Card - Left (A16) in the P85 Left System Cardfile and replace the WOW Card - Left (A16) in the P85 Left System Cardfile with the WOW Card - Right (A16) in the P84 Right System Cardfile.

These are the tasks:

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

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

- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, then there was an intermittent fault.
 - (c) If the maintenance message 32-21101 shows on the ground test display, then do these steps:
 - 1) Replace the WOW Card - Left (A16) in the P85 Left System Cardfile with a new WOW Card - Left (A16).
These are the tasks:
Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
 - 2) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
 - 3) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (d) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - (e) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (f) If the maintenance message shows on the ground test display, then continue with the procedure.
- (3) Remove the Weight-On-Wheels (WOW) Card - Right (A16) in the P84 Right System Cardfile. To remove it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
 - (4) Install the extender card card, SPL-1658 into slot A16 in the P84 Right System Cardfile.
 - (a) Make sure the program pins 114 to 117 of the connector XA16 agree with SSM 32-09-12.
 - (b) If the program pins 114 and 117 do not agree with SSM 32-09-12, then do these steps:
 - 1) Change the wiring to agree with SSM 32-09-12.
 - 2) Re-install the WOW Card - Right (A16) in the P84 Right System Cardfile. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
 - 3) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - 4) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the program pins 114 and 117 agree with SSM 32-09-12, then do these steps:
 - 1) Install a new WOW Card - Right (A16) in the P84 Right System Cardfile. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
 - 2) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.

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- 3) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

803. WOW Card-L No Output On Cross-Channel Calibration 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-21300.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 Weight-On-Wheels (WOW) Logic Card - Left (A16) in the P85 Left System Cardfile.

These are the tasks:

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

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

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the WOW Logic Card - Right (A16) in the P84 Right System Cardfile.

These are the tasks:

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

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

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring (WDM 32-09-11):
 - (a) Disconnect connector DP8517 from the P85 panel.
 - (b) Disconnect connector DP8417 from the P84 panel.
 - (c) Do a wiring check between these pins of connector DP8517 at the P85 Left Systems Cardfile and connector DP8417 at the P84 Right Systems Card File (WDM 32-09-11):

DP8517

pin 30 pin 32

pin 49 pin 51

DP8417

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

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- 2) Re-connect DP8517.
- 3) Re-connect DP8417.
- 4) 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. **WOW Card-R No Output On Cross-Channel Calibration 429 Bus - Fault Isolation**

A. Maintenance Messages

- (1) This task is for maintenance message: 32-21301.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 Weight-On-Wheels (WOW) Logic Card - Right (A16) in the P84 Right System Cardfile.

These are the tasks:

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

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

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the WOW Logic Card - Left (A16) in the P85 Left System Cardfile.

These are the tasks:

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

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

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring (WDM 32-09-11):
 - (a) Disconnect connector DP8417 from the P84 panel.
 - (b) Disconnect connector DP8517 from the P85 panel.
 - (c) Do a wiring check between these pins of connector DP8417 at the P84 Right Systems Cardfile and connector DP8517 at the P85 Left Systems Cardfile (WDM 32-09-11):

DP8417

pin 30 pin 32
pin 49 pin 51

DP8517

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- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect connector DP8417.
 - 3) Re-connect connector DP8517.
 - 4) 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 MLG Beam, Left System Load Sensor Signal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-22111.

B. Initial Evaluation

- (1) If the MAT shows 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: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground 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 WOW Card - Left (A16) in the P85 LSCF.
- These are the tasks:
- Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.
- (2) Do this check of the wiring (WDM 32-09-11):
- (a) Remove the left Weight-On-Wheels (WOW) card, A16 from the P85 Left System Cardfile (LSCF). To remove it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
- (b) Disconnect connector DM32101 from the load sensor, M32101.
- (c) Do a wiring check between these pins of connector DM32101 at the module, M32101 and connector XA16 at the P85A16 left WOW card (WDM 32-09-11):

DM32101		XA16
pin 1	.....	pin 12
pin 2		pin 15
pin 3		pin 18

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

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- 1) Repair the wiring.
 - 2) Re-connect DM32101.
 - 3) Re-install the left WOW card, A16 to the P85 LSCF. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
 - 4) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
 - 5) If the maintenance message does not show on the ground test display, you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect DM32101.
- (g) Re-install the left WOW card, A16 to the P85 LSCF. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
- (3) Replace the load sensor, M32101.
- These are the tasks:
- WOW Load Sensor Removal, AMM TASK 32-09-03-000-801,
WOW Load Sensor Installation, AMM TASK 32-09-03-400-801.
- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

807. Right Weight-On-Wheels Card Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-21000.

B. Fault Isolation Procedure

- (1) Replace the Weight-On-Wheels (WOW) Card - Right (A16) in the P84 Right System Cardfile.
- These are the tasks:
- Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

808. Left Weight-On-Wheels Card Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-21001.

B. Fault Isolation Procedure

- (1) Replace the Weight-On-Wheels (WOW) Card - Left (A16) in the P85 Left System Cardfile.
- These are the tasks:

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Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.

- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

809. Load Sensor Signal Out of Range - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-22000, 32-22001, 32-22100, 32-22101.

B. Fault Isolation Procedure

- (1) Replace the applicable load sensor as shown in the table below.

These are the tasks:

WOW Load Sensor Removal, AMM TASK 32-09-03-000-801,

WOW Load Sensor Installation, AMM TASK 32-09-03-400-801.

MAINTENANCE MESSAGE	LOAD SENSOR FOR REPLACEMENT
32-22000	M32202, (right MLG beam, right system)
32-22001	M32102, (right MLG beam, left system)
32-22100	M32201, (left MLG beam, right system)
32-22101	M32101, (left MLG beam, left system)

- (a) Do this ground test on the MAT:

MAINTENANCE MESSAGE	GROUND TEST DESCRIPTION
32-22000	32 Air/Ground System, SYSTEM TEST, Right Air/Ground System
32-22001	32 Air/Ground System, SYSTEM TEST, Left Air/Ground System
32-22100	32 Air/Ground System, SYSTEM TEST, Right Air/Ground System
32-22101	32 Air/Ground System, SYSTEM TEST, Left Air/Ground System

- (b) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

810. Right MLG Beam, Right System Load Sensor Signal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-22010.

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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 do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground 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) Do this check of the wiring (WDM 32-09-12):
 - (a) Remove the right Weight-On-Wheels (WOW) card, A16 from the P84 Right System Cardfile (RSCF). To remove it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
 - (b) Disconnect connector DM32202 from the load sensor, M32202.
 - (c) Do a wiring check between these pins of connector DM32202 at the module, M32202 and connector XA16 at the P84A16 right WOW card (WDM 32-09-12):

DM32202		XA16
pin 1	.....	pin 24
pin 2	.....	pin 27
pin 3	.....	pin 30

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect DM32202.
 - 3) Re-install the right WOW card, A16 to the P84 RSCF. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
 - 4) Do this ground test on the MAT: 32-Air/Ground System, Right Air/Ground System.
 - 5) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (e) If you do not find a problem with the wiring, then continue. steps:
 - (f) Re-connect DM32201.
 - (g) Re-install the right WOW card, A16 to the P84 RSCF. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
- (2) Replace the WOW Card - Right (A16) in the P84 RSCF.

These are the tasks:

Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.

 - (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.

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- (3) Replace the load sensor, M32202.

These are the tasks:

WOW Load Sensor Removal, AMM TASK 32-09-03-000-801,

WOW Load Sensor Installation, AMM TASK 32-09-03-400-801.

- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

811. Right MLG Beam, Left System Load Sensor Signal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-22011.

B. Initial Evaluation

- (1) If the MAT shows 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: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground 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) Do this check of the wiring (WDM 32-09-11):
- (a) Remove the left Weight-On-Wheels (WOW) card, A16 from the P85 Left System Cardfile (LSCF). To remove it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
- (b) Disconnect connector DM32102 from the load sensor, M32102.
- (c) Do a wiring check between these pins of connector DM32102 at the module, M32102 and connector XA16 at the P85A16 left WOW card (WDM 32-09-11):

DM32102		XA16
pin 1	.....	pin 24
pin 2	.....	pin 27
pin 3	.....	pin 30

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect DM32102.
 - 3) Re-install the left WOW card, A16 to the P85 LSCF. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
 - 4) Do this ground test on the MAT: 32-Air/Ground System, Left Air/Ground System.
 - 5) If the maintenance message does not show on the ground test display, you corrected the fault.

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- (e) If you do not find a problem with the wiring, then continue. steps:
- (f) Re-connect DM32102.
- (g) Re-install the left WOW card, A16 to the P85 LSCF. To install it, do this task:
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
- (2) Replace the WOW Card - Left (A16) in the P85 LSCF.
These are the tasks:
Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
 - (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.
- (3) Replace the load sensor, M32102.
These are the tasks:
WOW Load Sensor Removal, AMM TASK 32-09-03-000-801,
WOW Load Sensor Installation, AMM TASK 32-09-03-400-801.
 - (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

812. Left MLG Beam, Right System Load Sensor Signal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-22110.

B. Initial Evaluation

- (1) If the MAT shows 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: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground 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 WOW Card - Right (A16) in the P84 RSCF.
These are the tasks:
Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
 - (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.

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- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.
- (2) Do this check of the wiring (WDM 32-09-12):
 - (a) Remove the right Weight-On-Wheels (WOW) card, A16 from the P84 Right System Cardfile (RSCF). To remove it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
 - (b) Disconnect connector DM32201 from the load sensor, M32201.
 - (c) Do a wiring check between these pins of connector DM32201 at the module, M32201 and connector XA16 at the P84A16 right WOW card (WDM 32-09-12):

DM32201		XA16
pin 1	.....	pin 12
pin 2	.....	pin 15
pin 3	.....	pin 18

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect DM32201.
 - 3) Re-install the right WOW card, A16 to the P84 RSCF. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
 - 4) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - 5) If the maintenance message does not show on the ground test display, you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect DM32201.
- (g) Re-install the right WOW card, A16 to the P84 RSCF. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
- (3) Replace the load sensor, M32201.

These are the tasks:

WOW Load Sensor Removal, AMM TASK 32-09-03-000-801,
WOW Load Sensor Installation, AMM TASK 32-09-03-400-801.

 - (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

818. Relay Ground Mode Master (Standby) In P310 Response Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-23210.

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B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground 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 ground mode master relay, K32304, located on the upper right side of the P310 panel (WDM 32-09-19).
 - (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the Weight-On-Wheels (WOW) Logic Card - Right (A16) in the P84 Right System Cardfile.

These are the tasks:

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

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

- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring between these pins of the P84 panel and the P310 panel (WDM 32-09-12):
 - (a) Disconnect connector D31023P from the P310 panel.
 - (b) Disconnect connector DP8417 from the P84 panel.
 - (c) Do a wiring check between these pins of connector D31023P at the P310 panel and connector DP8417 at the P84 Right Cardfile System (WDM 32-09-12):

D31023P

DP8417

pin 39 pin 31

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect D31023P.
 - 3) Re-connect DP8417.
 - 4) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - 5) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (e) If you do not find a problem with the wiring, then continue.

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- (f) Re-connect D31023P.
- (g) Re-connect DP8417.
- (4) Do a wiring check between pin 39 of connector D31023P at the panel P310 and pin X2 of relay K32304 (WDM 32-09-12):

NOTE: To make the test easier, you can use the air ground relay test breakout box, SPL-1828.

- (a) Disconnect connector D31023P from the P310 panel.
- (b) Do a check for 28 VDC from pin 39 of connector D31023P at the panel P310 to structure ground (WDM 32-09-12).
- (c) If there is not 28 VDC at pin 39 of connector D31023P at the panel P310, then do these steps:
 - 1) Repair the wiring between pin 39 of connector D31023P at the panel P310 and pin X2 of relay K32304 (WDM 32-09-12).
 - 2) Re-connect D31023P to the P310 panel.
 - 3) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - 4) If the maintenance message does not show on the ground test display, you corrected the fault.
- (d) If there is 28 VDC at pin 39 of connector D31023P at the panel P310, then continue.
- (5) Do this check of the wiring between the signal conditioning card, M24412 and pin A1 on the relay K32304 (WDM 32-09-19):

NOTE: To make the test easier, you can use the air ground relay test breakout box, SPL-1828.

- (a) Disconnect connector DM24412B from the signal conditioning card, M24412.
- (b) Remove the ground mode master relay, K32304, located on the upper right side of the P310 panel (WDM 32-09-19).
- (c) Do a wiring check between these pins of connector DM24412B at the signal conditioning card and connector DK32304 at the relay K32304 (WDM 32-09-19):

DM24412B	DK32304
pin 69	pin A1
pin 70	pin A1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DM24412B to the signal conditioning card, M24412.
 - 3) Re-install the ground mode master relay, K32304, located on the upper right side of the P310 panel (WDM 32-09-19).
 - 4) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - 5) If the maintenance message does not show on the ground test display, you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect DM24412B to the signal conditioning card, M24412.

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- (g) Re-install the ground mode master relay, K32304, located on the upper right side of the P310 panel (WDM 32-09-19).

————— END OF TASK —————

819. Maint/Test Switch Enable(Left) Analog Discretes Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-28010.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the GND TEST switch, S1, in the panel, M31005.

These are the tasks:

Ground Test Switch Module Removal, AMM TASK 45-10-01-000-801,

Ground Test Switch Module Installation, AMM TASK 45-10-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 (WDM 31-41-18) (SSM 32-09-11):
- (a) Remove the left Weight-On-Wheels (WOW) card, A16 from the P85 Left System Card File (LSCF). To remove it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
- (b) Do a wiring check between these pins of connector XA16 at the P85A16 left WOW card and connector DM31005A at the panel, M31005 (WDM 31-41-18) (SSM 32-09-11):

XA16

pin 82 pin 6
pin 84 pin 11

DM32005A

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-install the left WOW card, A16 to the P85 LSCF. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
- 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 —————

820. Maint/Test Switch Enable(Right) Analog Discretes Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-28012.

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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 GND TEST switch, S1, in the panel, M31005.

These are the tasks:

Ground Test Switch Module Removal, AMM TASK 45-10-01-000-801,

Ground Test Switch Module Installation, AMM TASK 45-10-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 (WDM 31-41-18) (SSM 32-09-12):
 - (a) Remove the left Weight-On-Wheels (WOW) card, A16 from the P84 Right System Card File (RSCF). To remove it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
 - (b) Do a wiring check between these pins of connector XA16 at the P84A16 right WOW card and connector DM31005A at the panel, M31005 (WDM 31-41-18) (SSM 32-09-12):

XA16	DM32005A
pin 82	pin 12
pin 84	pin 7

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right WOW card, A16 to the P84 RSCF. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
 - 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 —————

821. Weight-On-Wheels Card(Left) No Output On Any Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-28801.

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) Replace the Weight-On-Wheels (WOW) Card - Left (A16) in the P85 Left System Cardfile (LSCF).

These are the tasks:

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Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.

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

————— END OF TASK —————

822. Weight-On-Wheels Card(Right) No Output On Any Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-28802.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the Weight-On-Wheels (WOW) Card - Right (A16) in the P84 Right System Cardfile (RSCF).

These are the tasks:

Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.

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

————— END OF TASK —————

823. WOW Card(Left) No Output On WOW ARINC 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-28891.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 Weight-On-Wheels (WOW) Card - Left (A16) in the P85 Left System Cardfile (LSCF) with the WOW Card - Right (A16) in the P84 Right System Cardfile (RSCF).

These are the tasks:

Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue with the procedure.
- (2) Replace the Weight-On-Wheels (WOW) Card - Left (A16) in the P85 LSCF.
These are the tasks:
Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue with the procedure.
- (3) Do this check of the wiring (WDM 32-09-11) (SSM 32-09-11):
 - (a) Remove the Weight-On-Wheels (WOW) card - Left (A16) from the P85 LSCF. To remove it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
 - (b) Remove the right ARINC Signal Gateway (ASG) card, A15 from the P85 LSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
 - (c) Do a wiring check between these pins of connector XA16 at the P85A16 left WOW card and connector XA15 at the P85A15 right ASG card (WDM 32-09-11) (SSM 32-09-11):

XA16	XA15
pin 134	pin 24
pin 137	pin 27
- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right ASG card, A15 to the P85 LSCF. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-install the right ASG card, A15 to the P85 LSCF. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (g) Remove the left ASG card, A12 from the P85 LSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (h) Do a wiring check between these pins of connector XA16 at the P85A16 left WOW card and connector XA12 at the P85A12 left ASG card (WDM 32-09-11) (SSM 32-09-11):

XA16	XA12
pin 134	pin 24
pin 137	pin 27
- (i) 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 ASG card, A12 to the P85 LSCF. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- 3) Re-install the left WOW card, A16 to the P85 LSCF. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
- 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 —————

824. WOW Card(Right) No Output On WOW ARINC 429 Bus - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-28892.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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 Weight-On-Wheels (WOW) Card - Right (A16) in the P84 Right System Cardfile (RSCF) with the WOW Card - Left (A16) in the P85 Left System Cardfile (LSCF).

These are the tasks:

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

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

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue with the procedure.
- (2) Replace the Weight-On-Wheels (WOW) Card - Right (A16) in the P84 Right System Cardfile (RSCF).

These are the tasks:

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

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

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue with the procedure.
- (3) Do this check of the wiring (WDM 32-09-12) (SSM 32-09-12):
 - (a) Remove the Weight-On-Wheels (WOW) card - Right (A16) from the P84 RSCF. To remove it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.

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- (b) Remove the right ARINC Signal Gateway (ASG) card, A15 from the P84 RSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (c) Do a wiring check between these pins of connector XA16 at the P84A16 right WOW card and connector XA15 at the right ASG card (WDM 32-09-12) (SSM 32-09-12):

XA16	XA15
pin 134	pin 24
pin 137	pin 27

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the right ASG card, A15 to the P84 RSCF. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-install the right ASG card, A15 to the P84 RSCF. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
- (g) Remove the left ASG card, A12 from the P84 RSCF. To remove it, do this task: ARINC Signal Gateway (ASG) Card Removal, AMM TASK 31-09-02-000-801.
- (h) Do a wiring check between these pins of connector XA16 at the P84A16 right WOW card and connector XA12 at the left ASG card (WDM 32-09-12) (SSM 32-09-12):

XA16	XA12
pin 134	pin 24
pin 137	pin 27

- (i) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left ASG card, A12 to the P84 RSCF. To install it, do this task: ARINC Signal Gateway (ASG) Card Installation, AMM TASK 31-09-02-400-802.
 - 3) Re-install the right WOW card, A16 to the P84 RSCF. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
 - 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** ————

828. Air Ground Signals from the WOW Cards Disagree - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 21-38310.

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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: This maintenance message can occur when there is no failure under any of these conditions during the transition from air to ground and/or ground to air:

1. The left main landing gear (MLG) sensor is on ground mode and the right MLG sensor is in air mode for 2 seconds or more.
2. The left MLG sensor is in air mode and the right MLG sensor is on ground mode for 2 seconds or more.

C. Fault Isolation Procedure

- (1) Replace the Weight-On-Wheels (WOW) Card - Left (A16) in the P85 Left System Cardfile (LSCF).

These are the tasks:

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

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

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue with the procedure.
- (2) Replace the Weight-On-Wheels (WOW) Card - Right (A16) in the P84 Right System Cardfile (RSCF).

These are the tasks:

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

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

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue with the procedure.
- (3) Replace the left system load sensor, M32101 on the left main landing gear (MLG) beam.

These are the tasks:

WOW Load Sensor Removal, AMM TASK 32-09-03-000-801,

WOW Load Sensor Installation, AMM TASK 32-09-03-400-801.

- (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.
- (4) Replace the left system load sensor, M32102 on the right main landing gear (MLG) beam.

These are the tasks:

WOW Load Sensor Removal, AMM TASK 32-09-03-000-801,

WOW Load Sensor Installation, AMM TASK 32-09-03-400-801.

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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.
- (5) Replace the right system load sensor, M32201 on the left main landing gear (MLG) beam.
These are the tasks:
WOW Load Sensor Removal, AMM TASK 32-09-03-000-801,
WOW Load Sensor Installation, AMM TASK 32-09-03-400-801.
- (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.
- (6) Replace the right system load sensor, M32202 on the right main landing gear (MLG) beam.
These are the tasks:
WOW Load Sensor Removal, AMM TASK 32-09-03-000-801,
WOW Load Sensor Installation, AMM TASK 32-09-03-400-801.
- (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.
- (7) Do this check of the wiring (SSM 32-09-12):
- (a) Remove the Weight-On-Wheels (WOW) card - Left (A16) from the P85 LSCF. To remove it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
- (b) Disconnect connector DM32101 from the load sensor, M32101 on the left MLG beam.
- (c) Do a wiring check between these pins of connector XA16 at the P85A16 left WOW card and connector DM32101 at the load sensor, M32101 on the left MLG beam (SSM 32-09-12):
- | DM32101 | XA16 |
|-----------------|-------------|
| pin 1 | pin 38 |
| pin 2 | pin 20 |
| pin 3 | pin 37 |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect connector DM32101 to the load sensor, M32101 on the left MLG beam.
 - 3) Re-install the WOW card - left (A16) in the P85 LSCF. To install it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DM32101 to the load sensor, M32101 on the left MLG beam.
- (8) Do this check of the wiring (SSM 32-09-12):
- (a) Disconnect connector DM32102 from the load sensor, M32102 on the right MLG beam.

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- (b) Do a wiring check between these pins of connector XA16 at the P85A16 left WOW card and connector DM32102 at the load sensor, M32102 on the right MLG beam (SSM 32-09-12):

DM32102	XA16
pin 1	pin 24
pin 2	pin 27
pin 3	pin 30

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect connector DM32102 to the load sensor, M32102 on the right MLG beam.
 - 3) Re-install the WOW card - left (A16) in the P85 LSCF. To install it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- 1) Re-install the WOW card - left (A16) in the P85 LSCF. To install it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
 - 2) Re-connect connector DM32102 to the load sensor, M32102 on the right MLG beam.
- (9) Do this check of the wiring (SSM 32-09-12):
- (a) Remove the WOW card - right (A16) from the P84 RSCF. To remove it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
- (b) Disconnect connector DM32201 from the load sensor, M32201 on the left MLG beam.
- (c) Do a wiring check between these pins of connector XA16 at the P84A16 right WOW card and connector DM32201 at the load sensor, M32201 on the left MLG beam (SSM 32-09-12):

DM32201	XA16
pin 1	pin 38
pin 2	pin 20
pin 3	pin 37

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect connector DM32201 to the load sensor, M32201 on the left MLG beam.
 - 3) Re-install the WOW card - right (A16) in the P84 RSCF. To install it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- 1) Re-connect connector DM32201 to the load sensor, M32201 on the left MLG beam.
- (10) Do this check of the wiring (SSM 32-09-12):
- (a) Disconnect connector DM32202 from the load sensor, M32202 on the right MLG beam.

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- (b) Do a wiring check between these pins of connector XA16 at the P84A16 right WOW card and connector DM32202 at the load sensor, M32202 on the right MLG beam (SSM 32-09-12):

DM32202		XA16
pin 1	.....	pin 24
pin 2	.....	pin 27
pin 3	.....	pin 30

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect connector DM32202 to the load sensor, M32202 on the right MLG beam.
 - 3) Re-install the WOW card - right (A16) in the P84 RSCF. To install it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
 - 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 —————

833. Ground Mode Relay (left system) and Weight-On-Wheels Card (left) Air/Ground Signals Disagree - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 31-50211.

B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground 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 ground mode relay, K32118 located in the P110 panel (WDM 24-33-41).
- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the input/output module (IOM), M008 located in the left AIMS cabinet, M31101.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.

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- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.
- (3) Replace the input/output module (IOM), M009 located in the left AIMS cabinet, M31101.
These are the tasks:
Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.
- (4) Replace the left AIMS cabinet, M31101.
These are the tasks:
AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,
AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.
 - (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.
- (5) Replace the Weight-On-Wheels (WOW) Card - Left (A16) in the P85 Left System Cardfile.
These are the tasks:
Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
 - (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.
- (6) Do this check of the wiring between the left WOW card, P85A16 and the ground mode relay, K32118 (WDM 32-09-11) (WDM 32-09-15):
NOTE: To make the test easier, you can use the air ground relay test breakout box, SPL-1828.
 - (a) Remove the left WOW card, P85A16. To remove it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
 - (b) Remove the ground mode relay, K32118 located in the P110.
 - (c) Do a wiring check between pin 63 of connector DP85A16 in the left system card file, P85 and pin X1 of connector DK32118 in the P110 panel.
 - (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left WOW card, P85A16. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.



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- 3) Re-install the ground mode relay, K32118 located in the P110.
- 4) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
- 5) If the maintenance message does not show on the ground test display, you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-install the left WOW card, P85A16. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
- (7) Do this check of the wiring between the ground mode relay, K32118 and structure ground (WDM 24-09-24) (WDM 32-09-15):

NOTE: To make the test easier, you can use the air ground relay test breakout box, SPL-1828.

- (a) Do a wiring check between pin X2 of connector DK32118 in the P110 panel and structure ground, GB41111-DC.
- (b) Do a wiring check between pin B2 of connector DK32118 in the P110 panel and structure ground, GDM61.
- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the ground mode relay, K32118 located in the P110.
 - 3) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
 - 4) 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 continue.
- (8) Do this check of the wiring between the ground mode relay, K32118 and the left AIMS cabinet, M31101 (WDM 31-41-17):

NOTE: To make the test easier, you can use the air ground relay test breakout box, SPL-1828.

- (a) Remove the IOM(M008) module from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Do a wiring check between these pins of connector J410-B at the left AIMS cabinet and connector DK32118 of the ground mode relay (WDM 31-41-17):

J410-B	DK32118
pin D7	pin B1

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the IOM(M008) module to the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - 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.
- (9) Do this check of the wiring between the ground mode relay, K32118 and the left AIMS cabinet, M31101 (WDM 31-41-17):

NOTE: To make the test easier, you can use the air ground relay test breakout box, SPL-1828.

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- (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) Do a wiring check between these pins of connector J420-B at the left AIMS cabinet and connector DK32118 of the ground mode relay (WDM 31-41-17):

J420-B	DK32118
pin D7	pin B1

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the IOM(M009) module to the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - 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.

— END OF TASK —

834. Ground Mode Relay (left system) and Weight-On-Wheels Card (left) Air/Ground Signals Disagree - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 31-50212.

B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground 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 ground mode relay, K32118 located in the P110 panel (WDM 24-33-41).
 - (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the input/output module (IOM), M008 located in the right AIMS cabinet, M31201.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

 - (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.

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- (3) Replace the input/output module (IOM), M009 located in the right AIMS cabinet, M31201.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.
- (4) Replace the right AIMS cabinet, M31201.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.
- (5) Replace the Weight-On-Wheels (WOW) Logic Card - Left (A16) in the P85 Left System Cardfile.

These are the tasks:

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

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

- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.
- (6) Do this check of the wiring between the left WOW card, P85A16 and the ground mode relay, K32118 (WDM 32-09-11) (WDM 32-09-15):

NOTE: To make the test easier, you can use the air ground relay test breakout box, SPL-1828.

- (a) Remove the left WOW card, P85A16. To remove it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
- (b) Remove the ground mode relay, K32118 located in the P110.
- (c) Do a wiring check between pin 63 of connector DP85A16 in the left system card file, P85 and pin X1 of connector DK32118 in the P110 panel.
- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left WOW card, P85A16. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
 - 3) Re-install the ground mode relay, K32118 located in the P110.

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- 4) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
- 5) If the maintenance message does not show on the ground test display, you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-install the left WOW card, P85A16. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
- (7) Do this check of the wiring between the ground mode relay, K32118 and structure ground (WDM 24-09-24) (WDM 32-09-15):
NOTE: To make the test easier, you can use the air ground relay test breakout box, SPL-1828.
 - (a) Do a wiring check between and pin X2 of connector DK32118 in the P110 panel and structure ground, GB41111-DC.
 - (b) Do a wiring check between and pin B2 of connector DK32118 in the P110 panel and structure ground, GDM61.
 - (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the ground mode relay, K32118 located in the P110.
 - 3) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
 - 4) 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 continue.
- (8) Do this check of the wiring between the ground mode relay, K32118 and the right AIMS cabinet, M31201 (WDM 31-41-17):
NOTE: To make the test easier, you can use the air ground relay test breakout box, SPL-1828.
 - (a) Remove the IOM(M008) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
 - (b) Do a wiring check between these pins of connector J410-B at the right AIMS cabinet and connector DK32118 of the ground mode relay (WDM 31-41-17):

J410-B	DK32118
pin D7	pin B1
- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the IOM(M008) module to the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - 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.
- (9) Do this check of the wiring between the ground mode relay, K32118 and the right AIMS cabinet, M31201 (WDM 31-41-17):
NOTE: To make the test easier, you can use the air ground relay test breakout box, SPL-1828.

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- (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) Do a wiring check between these pins of connector J420-B at the right AIMS cabinet and connector DK32118 of the ground mode relay (WDM 31-41-17):

J420-B	DK32118
pin D7	pin B1

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

————— **END OF TASK** —————

835. Ground Mode Relay (right system) and Weight-On-Wheels Card (right) Air/Ground Signals Disagree - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 31-50213.

B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground 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 ground mode relay, K32218 located in the P210 panel (WDM 24-33-41).
 - (a) Do this ground test on the MAT: 32 Air/Ground System, System Test, Right Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the input/output module (IOM), M003 located in the left AIMS cabinet, M31101.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

 - (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.

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- (3) Replace the input/output module (IOM), M004 located in the left AIMS cabinet, M31101.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.

- (4) Replace the left AIMS cabinet, M31101.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.

- (5) Replace the Weight-On-Wheels (WOW) Card - Right (A16) in the P84 Right System Cardfile.

These are the tasks:

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

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

- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.

- (6) Do this check of the wiring between the left WOW card, P84A16 and the ground mode relay, K32218 (WDM 32-09-11) (WDM 32-09-15):

NOTE: To make the test easier, you can use the air ground relay test breakout box, SPL-1828.

- (a) Remove the right WOW card, P84A16. To remove it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
- (b) Remove the ground mode relay, K32218 located in the P210.
- (c) Do a wiring check between pin 63 of connector DP84A16 in the right system card file, P84 and pin X1 of connector DK32218 in the P210 panel.
- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left WOW card, P84A16. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
 - 3) Re-install the ground mode relay, K32218 located in the P210.
 - 4) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.

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- 5) If the maintenance message does not show on the ground test display, you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-install the left WOW card, P84A16. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
- (7) Do this check of the wiring between the ground mode relay, K32218 and structure ground (WDM 24-09-24) (WDM 32-09-15):
- NOTE:** To make the test easier, you can use the air ground relay test breakout box, SPL-1828.
- (a) Do a wiring check between pin X2 of connector DK32218 in the P210 panel and structure ground, GB41211-DC.
- (b) Do a wiring check between pin B2 of connector DK32218 in the P210 panel and structure ground, GDM14.
- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the ground mode relay, K32218 located in the P210.
 - 3) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - 4) 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 continue.
- (8) Do this check of the wiring between the ground mode relay, K32218 and the left AIMS cabinet, M31101 (WDM 31-41-17):
- NOTE:** To make the test easier, you can use the air ground relay test breakout box, SPL-1828.
- (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) Do a wiring check between these pins of connector J240-B at the left AIMS cabinet and connector DK32218 of the ground mode relay (WDM 31-41-17):
- | J240-B | DK32218 |
|------------------|----------------|
| pin D7 | pin B1 |
- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the IOM(M003) module to the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - 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.
- (9) Do this check of the wiring between the ground mode relay, K32218 and the left AIMS cabinet, M31101 (WDM 31-41-17):
- NOTE:** To make the test easier, you can use the air ground relay test breakout box, SPL-1828.
- (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.

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- (b) Do a wiring check between these pins of connector J250-B at the left AIMS cabinet and connector DK32218 of the ground mode relay (WDM 31-41-17):

J250-B	DK32218
pin D7	pin B1

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the IOM(M004) module to the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - 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.

END OF TASK

836. Ground Mode Relay (right system) and Weight-On-Wheels Card (right) Air/Ground Signals Disagree - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 31-50214.

B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground 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 ground mode relay, K32218 located in the P210 panel (WDM 24-33-41).
- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the input/output module (IOM), M003 located in the right AIMS cabinet, M31201.
- These are the tasks:
- Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.
- (3) Replace the input/output module (IOM), M004 located 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) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.
- (4) Replace the right AIMS cabinet, M31201.

These are the tasks:

AIMS Cabinet Removal, AMM TASK 31-41-21-000-802,

AIMS Cabinet Installation, AMM TASK 31-41-21-400-801.

- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.
- (5) Replace the Weight-On-Wheels (WOW) Card - Right (A16) in the P84 Right System Cardfile.

These are the tasks:

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

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

- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.
- (6) Do this check of the wiring between the left WOW card, P84A16 and the ground mode relay, K32218 (WDM 32-09-11) (WDM 32-09-15):

NOTE: To make the test easier, you can use the air ground relay test breakout box, SPL-1828.

- (a) Remove the right WOW card, P84A16. To remove it, do this task: Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801.
- (b) Remove the ground mode relay, K32218 located in the P210.
- (c) Do a wiring check between pin 63 of connector DP84A16 in the right system card file, P84 and pin X1 of connector DK32218 in the P210 panel.
- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the left WOW card, P84A16. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
 - 3) Re-install the ground mode relay, K32218 located in the P210.
 - 4) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - 5) If the maintenance message does not show on the ground test display, you corrected the fault.

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- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-install the right WOW card, P84A16. To install it, do this task: Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
- (7) Do this check of the wiring between the ground mode relay, K32218 and structure ground (WDM 24-09-24) (WDM 32-09-15):
NOTE: To make the test easier, you can use the air ground relay test breakout box, SPL-1828.
 - (a) Do a wiring check between pin X2 of connector DK32218 in the P210 panel and structure ground, GB41211-DC.
 - (b) Do a wiring check between pin B2 of connector DK32218 in the P210 panel and structure ground, GDM14.
 - (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the ground mode relay, K32218 located in the P210.
 - 3) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - 4) 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 continue.
- (8) Do this check of the wiring between the ground mode relay, K32218 and the right AIMS cabinet, M31201 (WDM 31-41-17):

NOTE: To make the test easier, you can use the air ground relay test breakout box, SPL-1828.

- (a) Remove the IOM(M003) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
- (b) Do a wiring check between these pins of connector J240-B at the right AIMS cabinet and connector DK32218 of the ground mode relay (WDM 31-41-17):

J240-B	DK32218
pin D7	pin B1

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the IOM(M003) module to the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - 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.
- (9) Do this check of the wiring between the ground mode relay, K32218 and the right AIMS cabinet, M31201 (WDM 31-41-17):
NOTE: To make the test easier, you can use the air ground relay test breakout box, SPL-1828.
 - (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) Do a wiring check between these pins of connector J250-B at the right AIMS cabinet and connector DK32218 of the ground mode relay (WDM 31-41-17):

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J250-B

DK32218

pin D7 pin B1

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

————— **END OF TASK** —————

837. Weight-On-Wheels Card (left) and Left System Ground Mode Relay Disagree - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 31-50215, 31-50216.

B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground 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 left ground mode master relay, K32104 in the P110 panel (WDM 32-09-15).
 - (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the Weight-On-Wheels (WOW) Card - Left (A16) in the P85 Left System Cardfile.
These are the tasks:
Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
 - (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.

————— **END OF TASK** —————

840. MLG Beam Load Sensor Calibration Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-22020, 32-22021, 32-22120, 32-22121.

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B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Do this inspection of the load sensor:
 - (a) Examine the applicable load sensor for these problems:
 - 1) Broken bracket
 - 2) Bolts that are loose or missing
 - 3) Incorrect adjustment of the shim for the sensor (AMM TASK 32-09-03-820-802).
 - (b) If you find the problems with applicable load sensor, then do these steps:
 - 1) Repair or replace the damaged parts.
 - 2) Do this task: Adjustment of the WOW Load Sensor Installation, AMM TASK 32-09-03-820-802.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (c) If you do not find the problems with applicable load sensor, then continue.
- (2) Replace the applicable load sensor as shown in the table that follows.

These are the tasks:

WOW Load Sensor Removal, AMM TASK 32-09-03-000-801,
WOW Load Sensor Installation, AMM TASK 32-09-03-400-801.

MAINTENANCE

MESSAGE

32-22020

32-22021

32-22120

32-22121

LOAD SENSOR FOR REPLACEMENT

M32202, (right MLG beam, right system)

M32102, (right MLG beam, left system)

M32201, (left MLG beam, right system)

M32101, (left MLG beam, left system)

- (a) Do this task: WOW Load Sensor Calibration, AMM TASK 32-09-03-820-801.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the applicable WOW Card as shown in the table that follows.

These are the tasks:

Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.

MAINTENANCE MESSAGE

32-22020

32-22021

WOW LOGIC CARD FOR REPLACEMENT

P84A16, WOW Card (right)

P85A16, WOW Card (left)

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MAINTENANCE MESSAGE

32-22120

32-22121

WOW LOGIC CARD FOR REPLACEMENT

P84A16, WOW Card (right)

P85A16, WOW Card (left)

- (a) 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. Relay Air Mode Master (Right) In P210 Is Not In Commanded Position - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-23001.

B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground 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 air mode master relay, K32200, located on the upper left side of the P210 panel (WDM 32-09-16).
- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the Weight-On-Wheels (WOW) Logic Card - Right (A16) in the P84 Right System Cardfile.

These are the tasks:

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

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

- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.



MAKE SURE YOU REMOVE ELECTRICAL POWER FROM THE ELMS PANELS BEFORE YOU REMOVE COMPONENTS OF THE PANELS. IF YOU DO NOT REMOVE ELECTRICAL POWER, DAMAGE TO EQUIPMENT CAN OCCUR.

- (3) In the P210 panel, do a check of the SIU-1, M24508.

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This is the task:

Signal Interface Unit - Exchange Check, AMM TASK 24-09-00-700-801-002.

- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.

NOTE: Wait 5 minutes after there is power to the ELMS panel before you start the TEST.

- (b) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

842. Relay Ground Mode Master (Right) In P210 Is Not In Commanded Position - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-23011.

B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground 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 Weight-On-Wheels (WOW) Logic Card - Right (A16) in the P84 Right System Cardfile.

These are the tasks:

Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.

 - (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the ground mode master relay, K32204, located on the upper right side of the P210 panel (WDM 32-09-17).
 - (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.



MAKE SURE YOU REMOVE ELECTRICAL POWER FROM THE ELMS PANELS BEFORE YOU REMOVE COMPONENTS OF THE PANELS. IF YOU DO NOT REMOVE ELECTRICAL POWER, DAMAGE TO EQUIPMENT CAN OCCUR.

- (3) In the P110 panel, do a check of the SIU-2, M24505.

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This is the task:

Signal Interface Unit - Exchange Check, AMM TASK 24-09-00-700-801-002.

- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.

NOTE: Wait 5 minutes after there is power to the ELMS panel before you start the TEST.

- (b) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

843. Air/Ground Relays In P210 Power Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-23021.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Do a check for 28 VDC at the load terminal of circuit breaker C32627 (WDM 32-09-16).

- (a) If there is not 28 VDC at the circuit breaker, then do these steps:

- 1) Replace this circuit breaker:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
G	26	C32627	AIR/GROUND 2

- 2) 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 the circuit breaker, then do these steps:

- 1) Repair the wiring between the connector DM24508A of the signal conditioning card, M24508, and the load terminal of circuit breaker C32627 (WDM 32-09-16):

DM24508A	C32627
61	1

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

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

- (2) Do this check of the wiring between the signal conditioning cards, M24508 and M24509 and the relay K32200 (WDM 32-09-16):

NOTE: Use the air ground relay test breakout box, SPL-1828.

- (a) Disconnect connector DM24508C from the signal conditioning card, M24508.
- (b) Disconnect connector DM24509C from the signal conditioning card, M24509.
- (c) Remove the air mode master relay, K32200, on the upper left side of the P210 panel (WDM 32-09-14).

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- (d) Do a wiring check between connector DM24508C at the signal conditioning card (SIU-1) and connector DK32200 at the relay K32200 (WDM 32-09-16):

DM24508C	DK32200
pin 37	pin A1

- (e) Do a wiring check between connector DM24509C at the signal conditioning card (SIU-2) and connector DK32200 at the relay K32200 (WDM 32-09-16):

DM24509C	DK32200
pin 37	pin A1

- (f) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect connectors DM24508C and DM24509C to the signal conditioning cards, M24508 and M24509.
 - 3) Re-install the air mode master relay, K32200, on the upper left side of the P210 panel (WDM 32-09-16).
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (g) If you do not find a problem with the wiring, then continue.
- (h) Re-connect connectors DM24508C and DM24509C to the signal conditioning cards, M24508 and M24509.
- (i) Re-install the air mode master relay, K32200, on the upper left side of the P210 panel (WDM 32-09-16).
- (3) Replace the Weight-On-Wheel (WOW) Logic Card - Right (A16) in the P84 Right System Cardfile.
- These are the tasks:
- Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.



MAKE SURE YOU REMOVE ELECTRICAL POWER FROM THE ELMS PANELS BEFORE YOU REMOVE COMPONENTS OF THE PANELS. IF YOU DO NOT REMOVE ELECTRICAL POWER, DAMAGE TO EQUIPMENT CAN OCCUR.

- (4) In the P210 panel, do a check of the SIU-1, M24508.

This is the task:

Signal Interface Unit - Exchange Check, AMM TASK 24-09-00-700-801-002.

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

NOTE: Wait up to 5 minutes, or until the maintenance message shows, after there is power to the ELMS panel before you read the status of the maintenance message from the MAT.

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



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- (5) In the P210 panel, do a check of the SIU-2, M24509.

This is the task:

Signal Interface Unit - Exchange Check, AMM TASK 24-09-00-700-801-002.

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

NOTE: Wait up to 5 minutes, or until the maintenance message shows, after there is power to the ELMS panel before you read the status of the maintenance message from the MAT.

————— END OF TASK —————

844. Relay Air Mode Master (Left) In P110 Is Not In Commanded Position - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-23102.

B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground 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 air mode master relay, K32100, located on the upper left side of the P110 panel (WDM 32-09-14).
- (a) Do this ground test on the MAT: 32 Air/Ground System, System Test, Left Air/Ground System.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the Weight-On-Wheel (WOW) Logic Card - Left (A16) in the P85 Left System Cardfile.
- These are the tasks:
- Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.

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- (3) In the P110 panel, do a check of the SIU-1, M24504.

This is the task:

Signal Interface Unit - Exchange Check, AMM TASK 24-09-00-700-801-002.

- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.

NOTE: Wait 5 minutes after there is power to the ELMS panel before you start the TEST.

- (b) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

845. Relay Ground Mode Master (Left) In P110 Is Not In Commanded Position - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-23112.

B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground 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 ground mode master relay, K32104, located on the upper right side of the P110 panel (WDM 32-09-15).
- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the Weight-On-Wheel (WOW) Logic Card - Left (A16) in the P85 Left System Cardfile.
- These are the tasks:
- Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.

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- (3) In the P210 panel, do a check of the SIU-1, M24508.

This is the task:

Signal Interface Unit - Exchange Check, AMM TASK 24-09-00-700-801-002.

- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.

NOTE: Wait 5 minutes after there is power to the ELMS panel before you start the TEST.

- (b) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

846. Air/Ground Relays In P110 Power Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-23122.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Do a check for 28 VDC at the load terminal of circuit breaker C32628 (WDM 32-09-14)

- (a) If there is not 28 VDC at the circuit breaker, then do these steps:

- 1) Replace this circuit breaker, C32628 (WDM 32-09-14):

Replace this circuit breaker:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
G	13	C32628	AIR/GROUND 1

- 2) 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 the circuit breaker, then do these steps:

- 1) Repair the wiring between the connector DM24505A of the ELMS 2 Signal Interface Unit 2 (SIU-2), M24505, and the load terminal of circuit breaker C32628 (WDM 32-09-14):

DM24505A	C32628
pin 61	term 1

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

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- (2) Do this check of the wiring between the signal conditioning cards, M24504 and M24505, and the relay K32100 (WDM 32-09-14):

NOTE: Use the air ground relay test breakout box, SPL-1828.

- (a) Disconnect connector DM24505C from the signal conditioning card, M24505.
- (b) Disconnect connector DM24504C from the signal conditioning card, M24504.
- (c) Remove the air mode master relay, K32100, on the upper left side of the P110 panel (WDM 32-09-14).
- (d) Do a wiring check between connector DM24505C at the signal conditioning card (SIU-2) and connector DK32100 at the relay K32100 (WDM 32-09-14):

DM24505C	DK32100
pin 37	pin A1

- (e) Do a wiring check between connector DM24504C at the signal conditioning card (SIU-1) and connector DK32100 at the relay K32100 (WDM 32-09-14):

DM24504C	DK32100
pin 37	pin A1

- (f) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connectors DM24505C and DM24504C to the signal conditioning cards, M24505 and M24504.
 - 3) Re-install the air mode master relay, K32100, on the upper left side of the P110 panel (WDM 32-09-14).
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (g) If you do not find a problem with the wiring, then continue.
 - (h) Re-connect connectors DM24505C and DM24504C to the signal conditioning cards, M24505 and M24504.
 - (i) Re-install the air mode master relay, K32100, on the upper left side of the P110 panel (WDM 32-09-18).
- (3) Replace the Weight-On-Wheel (WOW) Logic Card - Left (A16) in the P85 Left System Cardfile.
- These are the tasks:
- Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.



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- (4) In the P110 panel, do a check of the SIU-2, M24505.

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This is the task:

Signal Interface Unit - Exchange Check, AMM TASK 24-09-00-700-801-002.

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

NOTE: Wait up to 5 minutes, or until the maintenance message shows, after there is power to the ELMS panel before you read the status of the maintenance message from the MAT.

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



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- (5) In the P110 panel, do a check of the SIU-1, M24504.

This is the task:

Signal Interface Unit - Exchange Check, AMM TASK 24-09-00-700-801-002.

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

NOTE: Wait up to 5 minutes, or until the maintenance message shows, after there is power to the ELMS panel before you read the status of the maintenance message from the MAT.

————— END OF TASK —————

847. Relay Air Mode Master (Standby) In P310 Is Not In Commanded Position - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-23201.

B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground 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 air mode master relay, K32300, located on the upper left side of the P310 panel (WDM 32-09-18).
 - (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.
- (2) Replace the Weight-On-Wheels (WOW) Logic Card - Right (A16) in the P84 Right System Cardfile.

These are the tasks:

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Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.

- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the maintenance message shows on the ground test display, then continue.



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- (3) In the P310 panel, do a check of the SIU-1, M24512.

This is the task:

Signal Interface Unit - Exchange Check, AMM TASK 24-09-00-700-801-002.

- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
NOTE: Wait 5 minutes after there is power to the ELMS panel before you start the TEST.
- (b) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

848. Relay Ground Mode Master (Standby) In P310 Is Not In Commanded Position - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-23211.

B. Initial Evaluation

- (1) If the MAT shows LATCHED for the maintenance message, then do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground 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 ground mode master relay, K32304, located on the upper right side of the P310 panel (WDM 32-09-19).
 - (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.

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- (2) In the P210 panel, do a check of the SIU-1, M24508.

This is the task:

Signal Interface Unit - Exchange Check, AMM TASK 24-09-00-700-801-002.

- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Left Air/Ground System.

NOTE: Wait 5 minutes after there is power to the ELMS panel before you start the TEST.

- (b) If the maintenance message does not show on the ground test display, you corrected the fault.

- (c) If the maintenance message shows on the ground test display, then continue.

- (3) Replace the Weight-On-Wheels (WOW) Logic Card - Right (A16) in the P84 Right System Cardfile.

These are the tasks:

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

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

- (a) Do this ground test on the MAT: 32 Air/Ground System, SYSTEM TEST, Right Air/Ground System.

- (b) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

849. Air/Ground Relays In P310 Power Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-23221.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Do a check for 28 VDC at the load terminal of circuit breaker C32626 (WDM 32-09-18).
- (a) If there is not 28 VDC at the circuit breaker, then do these steps:

- 1) Replace this circuit breaker:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	26	C32626	AIR/GROUND 3

- 2) 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 there is 28 VDC at the circuit breaker, then do these steps:
- 1) Repair the wiring between the connector DM24412B of the signal conditioning card, M24412, and the load terminal of circuit breaker C32626 (WDM 32-09-18):

DM24412B	C32626
pin 36	term 1

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



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- (2) In the P310 panel, do a check of the SIU-2, M24513.

This is the task:

Signal Interface Unit - Exchange Check, AMM TASK 24-09-00-700-801-002.

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

NOTE: Wait up to 5 minutes, or until the maintenance message shows, after there is power to the ELMS panel before you read the status of the maintenance message from the MAT.

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

- (3) Do this check of the wiring between the signal conditioning cards, M24512 and M24513 and the relay K32300 (WDM 32-09-18):

NOTE: Use the air ground relay test breakout box, SPL-1828.

- (a) Disconnect connector DM24512C from the signal conditioning card, M24512.
- (b) Disconnect connector DM24513C from the signal conditioning card, M24513.
- (c) Remove the air mode master relay, K32300, on the upper left side of the P310 panel (WDM 32-09-18).
- (d) Do a wiring check between connector DM24512C at the signal conditioning card (SIU-1) and connector DK32300 at the relay K32300 (WDM 32-09-18):

DM24512C	DK32300
pin 37	pin A1

- (e) Do a wiring check between connector DM24513C at the signal conditioning card (SIU-2) and connector DK32300 at the relay K32300 (WDM 32-09-18):

DM24513C	DK32300
pin 37	pin A1

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

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- 2) Re-connect connectors DM24512C and DM24513C to the signal conditioning cards, M24512 and M24513.
- 3) Re-install the air mode master relay, K32300, on the upper left side of the P310 panel (WDM 32-09-18).
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (g) If you do not find a problem with the wiring, then continue.
- (h) Re-connect connectors DM24512C and DM24513C to the signal conditioning cards, M24512 and M24513.
- (i) Re-install the air mode master relay, K32300, on the upper left side of the P310 panel (WDM 32-09-18).
- (4) Replace the Weight-On-Wheel (WOW) Card - Right (A16) in the P84 Right System Cardfile.
These are the tasks:
Weight-on-Wheels (WOW) Card Removal, AMM TASK 32-09-02-000-801,
Weight-on-Wheels (WOW) Card Installation, AMM TASK 32-09-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.



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- (5) In the P310 panel, do a check of the SIU-2, M24513.
This is the task:
(Signal Interface Unit - Exchange Check, AMM TASK 24-09-00-700-801-002).
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show) on the existing faults display, you corrected the fault.
NOTE: Wait up to 5 minutes, or until the maintenance message shows, after there is power to the ELMS panel before you read the status of the maintenance message from the MAT.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.



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- (6) In the P310 panel, do a check of the SIU-1, M24512.
This is the task:
Signal Interface Unit - Exchange Check, AMM TASK 24-09-00-700-801-002.



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

NOTE: Wait up to 5 minutes, or until the maintenance message shows, after there is power to the ELMS panel before you read the status of the maintenance message from the MAT.

———— **END OF TASK** ————

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801. Nose Landing Gear Shock Strut Deflated or Low Pressure Problems - Fault Isolation

A. Fault Isolation Procedure

- (1) If the shock strut for the nose landing gear is deflated, do this task: Nose Landing Gear Shock Strut Servicing, AMM TASK 12-15-02-610-805-002.
- (2) Check for the nitrogen gas leakage at the lower air charging valve, the upper air charging valve, the pressure indicator and the upper air charging tube assembly.
- (3) If there is nitrogen gas leakage, then do these steps:
 - (a) Replace the packings for the upper and lower charging valves and the pressure indicator, also make sure all connections are properly tightened.
 - (b) Do this task: Nose Landing Gear Shock Strut Servicing, AMM TASK 12-15-02-610-805-002.
 - (c) Check for the nitrogen gas leakage at the upper and lower charging valves, the pressure indicator and the upper air charging tube assembly.

————— END OF TASK —————

804. NLG Shock Strut Pressure Indicator Not In Green Band - Fault Isolation

A. Fault Isolation Procedure

- (1) Use a pressure gage to measure and record the pressure at the upper air valve.
- (2) If the pressure recorded is within the range of the green band, 400-900 psi, then do these steps:
 - (a) Open the upper air charging valve swivel nut a maximum of two turns.
 - (b) Loosen the upper air charging valve swivel nut fully when all of the pressure in the upper air chamber is released.
 - (c) Replace the pressure indicator AMM PAGEBLOCK 32-21-29/401.
 - (d) Do this task: Nose Landing Gear Shock Strut Servicing - Nitrogen Only, AMM TASK 12-15-02-610-806-002.
- (3) If the pressure recorded is greater than 900 psi,
NOTE: This is an indication of piston seal leakage in the upper air chamber.
- (4) If the pressure recorded is less than 400 psi, do these steps:
NOTE: This is an indication that the upper air chamber is serviced incorrectly or there is a leakage of nitrogen gas.
 - (a) Do this task: Nose Landing Gear Shock Strut Servicing - Nitrogen Only, AMM TASK 12-15-02-610-806-002.
 - (b) Check for the nitrogen gas leakage at the upper air charging valve, the pressure indicator and the upper air charging tube assembly.
 - (c) If there is no nitrogen gas leakage, then you have corrected the fault.

————— END OF TASK —————

802. 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.

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- (1) Do not erase the EICAS message until you complete the task for the correlated maintenance message.
 - (a) When this EICAS message occurs, do these steps:
 - 1) Make sure that you have the correlated maintenance message number that shows on the MAT with the EICAS message.
 - 2) Go back to the FIM Fault Code Index and find the fault code for the EICAS message.
 - 3) Find the correlated maintenance message number and the task number to the right of the fault code.
 - 4) Go to the specified task in the FIM and do the steps in the task.
 - 5) After you do the actions in the task to correct the fault, do these steps:
 - a) Look at the MAT for the EICAS message.
 - b) 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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801. Landing Gear Lever Lock Problems - Fault Isolation

A. Initial Evaluation

- (1) Put the airplane in the air mode. To put the airplane in the air mode, do this task: Air/Ground Mode Simulation, AMM TASK 32-09-00-860-801
 - (a) If the landing gear lever locks, then do the Fault Isolation Procedure below.
 - (b) If the landing gear lever does not lock, then there was an intermittent fault.
 - 1) Put the airplane back to the ground mode. To put it back to the ground mode, do this task: Air/Ground Mode Simulation, AMM TASK 32-09-00-860-801.

B. Fault Isolation Procedure

- (1) Do this check of the power wiring:



OBEY THE PROCEDURE THAT PUTS THE AIRPLANE IN THE AIR MODE. IF YOU DO THE PROCEDURE INCORRECTLY, INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT CAN OCCUR.

- (a) If the airplane is not in the air mode, then put it in the air mode. To put the airplane in the air mode, do this task: Air/Ground Mode Simulation, AMM TASK 32-09-00-860-801.
- (b) Disconnect connector DM32057B from the landing gear control lever module, M32057.
- (c) Do a check for 28V DC between pin 29 (+) of connector DM32057B and structure ground (WDM 32-31-11).
- (d) If there is not 28V DC at pin 29 of connector DM32057B, then do these steps:
 - 1) Open the P210 right power management panel.
 - 2) Do a check for 28V DC at the load terminal of circuit breaker C32623.
 - 3) If there is not 28V DC at the circuit breaker, then do these steps:
 - a) Replace this circuit breaker:

Right Power Management Panel, P210

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	2	C32623	LG LEVER LOCK

- b) Re-connect connector DM32057B.
 - c) If the landing gear lever does not lock, you corrected the fault.
 - 4) If there is 28V DC at circuit breaker, then do these steps:
 - a) Repair the wiring between these pins of connector DM32057B at the landing gear control lever module, M32057, and the load terminal of circuit breaker C32623 (WDM 32-31-11):

DM32057B	C32623
pin 29	pin 2
 - b) Re-connect connector DM32057B.
 - c) If the landing gear lever does not lock, you corrected the fault.
 - d) Put the airplane back to the ground mode. To put it back to ground mode, do this task: Air/Ground Mode Simulation, AMM TASK 32-09-00-860-801.
 - (e) If there is 28V DC at pin 29 of connector DM32057B, then continue.

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- (2) Do this check of the ground wiring:
- (a) Do a check for 28V DC from pin 29 (+) to pin 30 (ground) of connector DM32057B (WDM 32-31-11).
 - (b) If there is 28V DC at pin 29 of connector DM32057B, then do these steps:
 - 1) Replace the landing gear control lever module, M32057.
These are the tasks:
Landing Gear Control Lever Module Removal, AMM TASK 32-31-01-020-801,
Landing Gear Control Lever Module Installation, AMM TASK 32-31-01-420-801.
 - 2) If the landing gear lever does not lock, you corrected the fault.
 - 3) Put the airplane back to the ground mode. To put it back to ground mode, do this task: Air/Ground Mode Simulation, AMM TASK 32-09-00-860-801.
 - (c) If there is not 28V DC at pin 29 of connector DM32057B, then continue.
- (3) Do this check of the wiring between the landing control lever module and the air mode relay, K32214:
- (a) Remove the air mode relay, K32214, from the P210 right power management panel (WDM 32-31-11).
 - (b) Do a wiring check between these pins of connector DM32057B at the landing gear control lever module, M32057, and connector DK32214 at the air mode relay, K32214 (WDM 32-31-11):

DM32057B	DK32214
pin 30	pin C1
 - (c) Do a continuity check between pin C2 of connector DK32214 at the air mode relay, K32214, and structure ground (WDM 32-31-11).
 - (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) If the landing gear lever does not lock, you corrected the fault.
 - 3) Put the airplane back to the ground mode. To put it back to ground mode, do this task: Air/Ground Mode Simulation, AMM TASK 32-09-00-860-801.
 - (e) If you do not find a problem with the wiring, then continue.
- (4) Do this check of the wiring between the landing control lever module and the air mode relay, K32114:
- (a) Remove the air mode relay, K32114, from the P110 left power management panel (WDM 32-31-11).
 - (b) Do a wiring check between these pins of connector DM32057B at the landing gear control lever module, M32057, and connector DK32114 at the air mode relay, K32114 (WDM 32-31-11):

DM32057B	DK32114
pin 30	pin C1
 - (c) Do a continuity check between pin C2 of connector DK32114 at the air mode relay, K32114, and structure ground (WDM 32-31-11).
 - (d) If you find a problem with the wiring, then do these steps:

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- 1) Repair the wiring.
- 2) If the landing gear lever does not lock, you corrected the fault.
- 3) Put the airplane back to the ground mode. To put it back to ground mode, do this task: Air/Ground Mode Simulation, AMM TASK 32-09-00-860-801.
- (e) If you do not find a problem with the wiring, then continue.
- (5) Install a new air mode relay, K32214 on the P210 right power management panel (WDM 32-31-11).
 - (a) If the landing gear lever does not lock, you corrected the fault.
 - 1) Put the airplane back to the ground mode. To put it back to ground mode, do this task: Air/Ground Mode Simulation, AMM TASK 32-09-00-860-801.
 - (b) If the landing gear lever locks, then continue.
- (6) Install a new air mode relay, K32114 on the P110 left power management panel (WDM 32-31-11).
 - (a) If the landing gear lever does not lock, you corrected the fault.
 - (b) Put the airplane back to the ground mode. To put it back to ground mode, do this task: Air/Ground Mode Simulation, AMM TASK 32-09-00-860-801.

————— END OF TASK —————

802. Landing Gear (Left Main) Retraction Problems - Fault Isolation

A. Initial Evaluation

- (1) Do this task to verify that a Selector/Bypass Valve is not stuck in the bypass mode: Landing Gear Control System - Operational Test (Airplane on the Ground), AMM TASK 32-31-00-710-801.

NOTE: The bypass valve is designed to reset to the normal position by landing gear extend pressure (center hydraulic system).
- (2) Do this task: Main Landing Gear Extension and Retraction System - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-801.
 - (a) If you cannot retract the left main landing gear, then do the Fault Isolation Procedure below.
 - (b) If you can retract the left main landing gear, then there was an intermittent fault.

B. Fault Isolation Procedure

- (1) Replace the left main landing gear uplock-operated sequence valve:
 - (a) These are the tasks:

Main Landing Gear Uplock-Operated Sequence Valve Removal, AMM TASK 32-32-10-020-801,

Main Landing Gear Uplock-Operated Sequence Valve Installation, AMM TASK 32-32-10-420-801.
 - (b) Do the Repair Confirmation procedure at the end of this task.
- (2) Replace the left main landing gear door uplock actuator.

These are the tasks:

Main Landing Gear Door Uplock Actuator Removal, AMM TASK 32-32-15-020-801,

Main Landing Gear Door Uplock Actuator Installation, AMM TASK 32-32-15-420-801.

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- (a) Do the Repair Confirmation procedure at the end of this task.
- (3) Replace the left main landing gear door priority/relief valve.
These are the tasks:
Main Landing Gear Door Priority/Relief Valve Removal, AMM TASK 32-32-17-020-801,
Main Landing Gear Door Priority/Relief Valve Installation, AMM TASK 32-32-17-420-801.
 - (a) Do the Repair Confirmation procedure at the end of this task.
- (4) Replace the left main landing gear door actuator:
 - (a) These are the tasks:
Main Landing Gear Door Actuator Removal, AMM TASK 32-32-14-020-801,
Main Landing Gear Door Actuator Installation, AMM TASK 32-32-14-420-801.
 - (b) Do the Repair Confirmation procedure at the end of this task.
- (5) Replace the left main landing gear drag brace downlock actuator:
 - (a) These are the tasks:
Main Landing Gear Drag Brace Downlock Actuator Removal, AMM TASK 32-32-05-020-804-002,
Main Landing Gear Drag Brace Downlock Actuator Installation, AMM TASK 32-32-05-420-804-002.
 - (b) Do the Repair Confirmation procedure at the end of this task.
- (6) Replace the left main landing gear side brace downlock actuator.
These are the tasks:
Main Landing Gear Side Brace Downlock Actuator Removal, AMM TASK 32-32-04-020-804-002,
Main Landing Gear Side Brace Downlock Actuator Installation, AMM TASK 32-32-04-420-804-002.
 - (a) Do the Repair Confirmation procedure at the end of this task.
- (7) Replace the left main landing gear door-operated sequence valve.
These are the tasks:
Main Landing Gear Door-Operated Sequence Valve Removal, AMM TASK 32-32-08-020-801,
Main Landing Gear Door-Operated Sequence Valve Installation, AMM TASK 32-32-08-420-801.
 - (a) Do the Repair Confirmation procedure at the end of this task.
- (8) Replace the left main landing gear retract actuator.
These are the tasks:
Main Landing Gear Retract Actuator Removal, AMM TASK 32-32-01-020-801-001 or Main Landing Gear Retract Actuator Removal, AMM TASK 32-32-01-020-802-002,
Main Landing Gear Retract Actuator Installation, AMM TASK 32-32-01-420-801-001 or Main Landing Gear Retract Actuator Installation, AMM TASK 32-32-01-420-803-002.
 - (a) Do the Repair Confirmation procedure at the end of this task.

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C. Repair Confirmation

- (1) Do this task: Main Landing Gear Extension and Retraction System - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-801.
 - (a) If you can retract the left main landing gear, you corrected the fault.
 - (b) If you cannot retract the left main landing gear, then continue with the subsequent step of this Fault Isolation Procedure.

————— END OF TASK —————

803. Landing Gear (Right Main) Retraction Problems - Fault Isolation

A. Initial Evaluation

- (1) Do this task to verify that a Selector/Bypass Valve is not stuck in the bypass mode: Landing Gear Control System - Operational Test (Airplane on the Ground), AMM TASK 32-31-00-710-801.

NOTE: The bypass valve is designed to reset to the normal position by landing gear extend pressure (center hydraulic system).
- (2) Do this task: Main Landing Gear Extension and Retraction System - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-801.
 - (a) If you cannot retract the right main landing gear, then do the Fault Isolation Procedure below.
 - (b) If you can retract the right main landing gear, then there was an intermittent fault.

B. Fault Isolation Procedure

- (1) Replace the right main landing gear uplock-operated sequence valve:
 - (a) These are the tasks:

Main Landing Gear Uplock-Operated Sequence Valve Removal, AMM TASK 32-32-10-020-801,
Main Landing Gear Uplock-Operated Sequence Valve Installation, AMM TASK 32-32-10-420-801.
 - (b) Do the Repair Confirmation procedure at the end of this task.
- (2) Replace the right main landing gear door uplock actuator.

These are the tasks:

Main Landing Gear Door Uplock Actuator Removal, AMM TASK 32-32-15-020-801,
Main Landing Gear Door Uplock Actuator Installation, AMM TASK 32-32-15-420-801.

 - (a) Do the Repair Confirmation procedure at the end of this task.
- (3) Replace the right main landing gear door priority/relief valve.

These are the tasks:

Main Landing Gear Door Priority/Relief Valve Removal, AMM TASK 32-32-17-020-801,
Main Landing Gear Door Priority/Relief Valve Installation, AMM TASK 32-32-17-420-801.

 - (a) Do the Repair Confirmation procedure at the end of this task.
- (4) Replace the right main landing gear door actuator:
 - (a) These are the tasks:

Main Landing Gear Door Actuator Removal, AMM TASK 32-32-14-020-801,
Main Landing Gear Door Actuator Installation, AMM TASK 32-32-14-420-801.

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- (b) Do the Repair Confirmation procedure at the end of this task.
- (5) Replace the right main landing gear drag brace downlock actuator:
 - (a) These are the tasks:
 - Main Landing Gear Drag Brace Downlock Actuator Removal, AMM TASK 32-32-05-020-804-002,
 - Main Landing Gear Drag Brace Downlock Actuator Installation, AMM TASK 32-32-05-420-804-002.
 - (b) Do the Repair Confirmation procedure at the end of this task.
- (6) Replace the right main landing gear side brace downlock actuator.

These are the tasks:

 - Main Landing Gear Side Brace Downlock Actuator Removal, AMM TASK 32-32-04-020-804-002,
 - Main Landing Gear Side Brace Downlock Actuator Installation, AMM TASK 32-32-04-420-804-002.
 - (a) Do the Repair Confirmation procedure at the end of this task.
- (7) Replace the right main landing gear door-operated sequence valve.

These are the tasks:

 - Main Landing Gear Door-Operated Sequence Valve Removal, AMM TASK 32-32-08-020-801,
 - Main Landing Gear Door-Operated Sequence Valve Installation, AMM TASK 32-32-08-420-801.
 - (a) Do the Repair Confirmation procedure at the end of this task.
- (8) Replace the right main landing gear retract actuator.

These are the tasks:

 - Main Landing Gear Retract Actuator Removal, AMM TASK 32-32-01-020-801-001 or Main Landing Gear Retract Actuator Removal, AMM TASK 32-32-01-020-802-002,
 - Main Landing Gear Retract Actuator Installation, AMM TASK 32-32-01-420-801-001 or Main Landing Gear Retract Actuator Installation, AMM TASK 32-32-01-420-803-002.
 - (a) Do the Repair Confirmation procedure at the end of this task.

C. Repair Confirmation

- (1) Do this task: Main Landing Gear Extension and Retraction System - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-801.
 - (a) If you can retract the right main landing gear, you corrected the fault.
 - (b) If you cannot retract the right main landing gear, then continue with the subsequent step of this Fault Isolation Procedure.

————— **END OF TASK** —————

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804. Landing Gear (Left and Right Main) Retraction Problems - Fault Isolation

A. Initial Evaluation

- (1) Do this task to verify that a Selector/Bypass Valve is not stuck in the bypass mode: Landing Gear Control System - Operational Test (Airplane on the Ground), AMM TASK 32-31-00-710-801.

NOTE: The bypass valve is designed to reset to the normal position by landing gear extend pressure (center hydraulic system).

- (2) Do this task: Main Landing Gear Extension and Retraction System - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-801.
 - (a) If you cannot retract the left and the right main landing gear, then do the Fault Isolation Procedure below.
 - (b) If you can retract the left and the right main landing gear, then there was an intermittent fault.

B. Fault Isolation Procedure

- (1) Do this check of the wiring:
 - (a) Remove the auto-off relay A1, K32014 from the P110 left power management panel (WDM 32-31-11).
 - (b) Disconnect connector DM32032A from the main landing gear selector/bypass valve, M32032.
 - (c) Do a wiring check between pins of connector DM32032A at the main landing gear selector/bypass valve, M32032, and connector DK32014 at the auto-off relay A1, K32014 (WDM 32-31-11):

DM32032A

DK32014

pin 5 pin A2

- (d) Do a continuity check between pin 2 of connector DM32032A at the main landing gear selector/bypass valve, M32032, and structure ground (WDM 32-31-11).
- (e) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DM32032A.
 - 3) Re-install the auto-off relay A1, K32014.
 - 4) Do this task: Main Landing Gear Extension and Retraction System - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-801.
 - 5) If you can retract the left and right main landing gear, you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue.
- (2) Replace the main landing gear selector/bypass valve, M32032.

These are the tasks:

Main Landing Gear Selector/Bypass Valve Removal, AMM TASK 32-31-03-020-801,

Main Landing Gear Selector/Bypass Valve Installation, AMM TASK 32-31-03-420-801.

- (a) Do this task: Main Landing Gear Extension and Retraction System - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-801.

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- (b) If you can retract the left and right main landing gear, you corrected the fault.

— END OF TASK —

805. Landing Gear (Nose) Retraction Problems - Fault Isolation

A. Initial Evaluation

- (1) Do this task to verify that a Selector/Bypass Valve is not stuck in the bypass mode: Landing Gear Control System - Operational Test (Airplane on the Ground), AMM TASK 32-31-00-710-801.

NOTE: The bypass valve is designed to reset to the normal position by landing gear extend pressure (center hydraulic system).

- (2) Do this task: Nose Landing Gear Extension and Retraction System - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-803.
- (a) If you cannot retract the nose landing gear, then do the Fault Isolation Procedure below.
- (b) If you can retract the nose landing gear, then there was an intermittent fault.

B. Fault Isolation Procedure

- (1) Do this check of the wiring:
- (a) Remove the auto-off relay A1, K32014 from the P110 left power management panel (WDM 32-31-11).
- (b) Disconnect connector DM32033A from the nose landing gear selector/bypass valve, M32033.
- (c) Do a wiring check between pins of connector DM32033A at the nose landing gear selector/bypass valve, M32033, and connector DK32014 at the auto-off relay A1, K32014 (WDM 32-31-11):

DM32033A

DK32014

pin 5 pin A2

- (d) Do a continuity check between pin 2 of connector DM32033A at the nose landing gear selector/bypass valve, M32033, and structure ground (WDM 32-31-11).
- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect connector DM32033A.
 - 3) Re-install the auto-off relay A1, K32014.
 - 4) Do this task: Nose Landing Gear Extension and Retraction System - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-803.
 - 5) If you can retract the nose landing gear, you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue.
- (2) Replace the nose landing gear selector/bypass valve, M32033.
- These are the tasks:
- Nose Landing Gear Selector/Bypass Valve Removal, AMM TASK 32-31-02-020-801,
Nose Landing Gear Selector/Bypass Valve Installation, AMM TASK 32-31-02-420-801.
- (a) Do the Repair Confirmation procedure at the end of this task.
- (3) Replace the nose landing gear door-operated sequence valve:

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- (a) These are the tasks:
 - Nose Landing Gear Door-Operated Sequence Valve Removal, AMM TASK 32-34-04-000-801,
 - Nose Landing Gear Door-Operated Sequence Valve Installation, AMM TASK 32-34-04-400-801.
- (b) Do the Repair Confirmation procedure at the end of this task.
- (4) Replace the nose landing gear door actuator:
 - (a) These are the tasks:
 - Nose Landing Gear Door Actuator Removal, AMM TASK 32-34-09-000-801,
 - Nose Landing Gear Door Actuator Installation, AMM TASK 32-34-09-400-801.
 - (b) Do the Repair Confirmation procedure at the end of this task.
- (5) Replace the nose landing gear operated sequence valve:
 - (a) These are the tasks:
 - Nose Landing Gear-Operated Sequence Valve Removal, AMM TASK 32-34-06-000-801,
 - Nose Landing Gear-Operated Sequence Valve Installation, AMM TASK 32-34-06-400-801.
 - (b) Do the Repair Confirmation procedure at the end of this task.
- (6) Replace the nose landing gear lock actuator:
 - (a) These are the tasks:
 - Nose Landing Gear Lock Actuator Removal, AMM TASK 32-34-03-000-801,
 - Nose Landing Gear Lock Actuator Installation, AMM TASK 32-34-03-400-801.
 - (b) Do the Repair Confirmation procedure at the end of this task.
- (7) Replace the nose landing retract actuator:
 - (a) These are the tasks:
 - Nose Landing Gear Retract Actuator Removal, AMM TASK 32-34-01-000-801,
 - Nose Landing Gear Retract Actuator Installation, AMM TASK 32-34-01-400-801.
 - (b) Do the Repair Confirmation procedure at the end of this task.

C. Repair Confirmation

- (1) Do this task: Nose Landing Gear Extension and Retraction System - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-803.
 - (a) If you can retract the nose landing gear, you corrected the fault.
 - (b) If you cannot retract the nose landing gear, then continue with the subsequent step of this Fault Isolation Procedure.

————— **END OF TASK** —————

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806. Landing Gear (Nose, Left, Right) Retraction Problems - Fault Isolation

A. Initial Evaluation

- (1) Do this task to verify that a Selector/Bypass Valve is not stuck in the bypass mode: Landing Gear Control System - Operational Test (Airplane on the Ground), AMM TASK 32-31-00-710-801 .

NOTE: The bypass valve is designed to reset to the normal position by landing gear extend pressure (center hydraulic system).
- (2) Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.
 - (a) If you cannot retract the nose, left, and the right main landing gear, then do the Fault Isolation Procedure below.
 - (b) If you can retract the nose, left, and the right main landing gear, then there was an intermittent fault.

B. Fault Isolation Procedure

- (1) Replace the landing gear control gear lever, M32057.
These are the tasks:
Landing Gear Control Lever Module Removal, AMM TASK 32-31-01-020-801,
Landing Gear Control Lever Module Installation, AMM TASK 32-31-01-420-801.
 - (a) Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.
 - (b) If you can retract the nose, left, and right main landing gear, you corrected the fault.
 - (c) If you cannot retract the nose, left, and right main landing gear, then continue.
- (2) Replace auto-off relay A1, K32014 from the P110 left power management system (WDM 32-31-11).
 - (a) Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.
 - (b) If you can retract the nose, left, and right main landing gear, you corrected the fault.
 - (c) If you cannot retract the nose, left, and right main landing gear, then continue.
- (3) Replace the left hydraulic interface module (HYDIM-L) card, A17, in the left systems card file (LSCF), P85.
These are the tasks:
Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801,
Hydraulic Interface Module (HYDIM) Cards Installation, AMM TASK 29-11-50-400-801.
 - (a) Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.
 - (b) If you can retract the nose, left, and right main landing gear, you corrected the fault.
 - (c) If you cannot retract the nose, left, and right main landing gear, then continue.
- (4) Do this check of the voltage at the auto-off relay A1:
 - (a) Remove the auto-off relay A1 from the P110 left power management panel (WDM 32-31-11).
 - (b) Do a check of 28V DC between pin 6 of connector DK32014 at the auto-off relay A1, K32014, and structure ground (WDM 32-31-11).

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(c) If there is not 28V DC at pin 6 of connector DK32014, then do these steps:

- 1) Open the P11-1 pilots' overhead circuit breaker panel.
- 2) Do a check for 28V DC at the load terminal of circuit breaker C32616.
- 3) If there is not 28V DC at the circuit breaker, then do these steps:
 - a) Replace this circuit breaker:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
G	9	C32616	LDG GEAR RETR AUTO OFF

- b) Re-install the auto-off relay A1, K32014.
 - c) Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.
 - d) If you can retract the nose, left, and right main landing gear, you corrected the fault.
- 4) If there is 28V DC at the circuit breaker, then do these steps:
 - a) Repair the wiring between these pins of connector DK32014 of the auto-off relay A1, M32014, and the load terminal of circuit breaker C32616 (WDM 32-31-11):

DK32014	C32616
pin 6	pin 2

- b) Re-install the auto-off relay A1, K32014.
 - c) Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.
 - d) If you can retract the nose, left, and right main landing gear, you corrected the fault.
- (d) If there is 28V DC at pin 6 of connector DK32014, then continue.
- (5) Do this check of the wiring between the auto-off relay A1 to the terminal block:
 - (a) Do a wiring check between these pins of connector DK32014 at the auto-off relay A1, K32014, and terminal block TB3001 at the P105 left integration panel (WDM 32-31-11):

DK32014	TB3001
pin A2	VB45

- (b) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the auto-off relay A1, K32014.
 - a) Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.
 - b) If you can retract the nose, left, and right main landing gear, you corrected the fault.
 - (c) If you do not find a problem with the wiring, then continue.
- (6) Do this check of the wiring between the auto-off relay A1 and the HYDIM-L:

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- (a) Remove the HYDIM-L card, A17, in the LSCF, P85. To remove it, do this task: Hydraulic Interface Module (HYDIM) Cards Removal, AMM TASK 29-11-50-000-801.
- (b) Do a wiring check between these pins of connector DK32014 at the auto-off relay A1, K32014, and connector XA17 at the LSCF, P85 (SSM 32-31-11):

DK32014	XA17
pin 29	pin 33

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the auto-off relay A1, K32014.
 - 3) Re-install the HYDIM-L card, A17, in the LSCF, P85. To re-install it, do this task: Hydraulic Interface Module (HYDIM) Cards Installation, AMM TASK 29-11-50-400-801.
 - a) Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.
 - b) If you can retract the nose, left, and right main landing gear, you corrected the fault.
 - (d) If you do not find a problem with the wiring, then continue.
 - (e) Re-install the HYDIM-L card, A17, in the LSCF, P85. To re-install it, do this task: Hydraulic Interface Module (HYDIM) Cards Installation, AMM TASK 29-11-50-400-801.
- (7) Do this check of the wiring between the landing gear control lever module and the auto-off relay A1:
- (a) Disconnect connector DM32057A from the landing gear control lever module, M32057.
 - (b) Do a wiring check between these pins of connector DK32014 at the auto-off relay A1, K32014, and connector DM32057A at the landing gear control lever module, M32057 (WDM 32-31-11):

DK32014	DM32057A
pin 22	pin 6

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the auto-off relay A1, K32014.
 - 3) Re-connect connector DM32057A.
 - a) Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.
 - b) If you can retract the nose, left, and right main landing gear, you corrected the fault.
 - (d) If you do not find a problem with the wiring, then continue.
 - (e) Re-install the auto-off relay A1, K32014.
- (8) Do this check of the power wiring at the landing gear control lever module:
- (a) Do a check of 28V DC between pin 18 of connector DM32057A at the landing gear control lever module, M32057, and structure ground (WDM 32-31-11).
 - (b) If there is not 28V DC at pin 18 of connector DM32057A, then do these steps:

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- 1) Open the P11-1 pilot's overhead circuit breaker panel.
- 2) Do a check for 28V DC at the load terminal of circuit breaker C32607.
- 3) If there is not 28V DC at the circuit breaker, then do these steps:
 - a) Replace this circuit breaker:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
G	10	C32607	LDG GEAR EXT/RETR 1

- b) Re-connect connector DM32057A.
 - c) Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.
 - d) If you can retract the nose, left, and right main landing gear, you corrected the fault.
- 4) If there is 28V DC at the circuit breaker, then do these steps:
 - a) Repair the wiring between these pins of connector DM32057A of the landing gear control lever module, M32057, and the load terminal of circuit breaker C32607 (WDM 32-31-11):

DM32057A	C32607
pin 18	pin 2

- b) Re-connect connector DM32057A.
 - c) Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.
 - d) If you can retract the nose, left, and right main landing gear, you corrected the fault.

————— **END OF TASK** —————

807. Landing Gear (Left Main) Extension Problems - Fault Isolation

A. Initial Evaluation

- (1) Do this task: Main Landing Gear Extension and Retraction System - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-801.
 - (a) If you cannot extend the left main landing gear, then do the Fault Isolation Procedure below.
 - (b) If you can extend the left main landing gear, then there was an intermittent fault.

B. Fault Isolation Procedure

- (1) Make sure that all of the landing gear lubrication points are well lubricated.
 - (a) Do this task: Upper Main Landing Gear and Actuating Mechanisms Lubrication, AMM TASK 12-21-14-640-805-002.
 - (b) Do this task: Lower Main Landing Gear and Actuating Mechanisms Lubrication, AMM TASK 12-21-14-640-806-002.
 - (c) Do the Repair Confirmation procedure at the end of this task.
- (2) Replace the left main landing gear drag-brace-operated sequence valve.

These are the tasks:

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Main Landing Gear Drag-Brace-Operated Sequence Valve Removal, AMM TASK 32-32-12-020-801,

Main Landing Gear Drag-Brace-Operated Sequence Valve Installation, AMM TASK 32-32-12-420-801.

(a) Do the Repair Confirmation procedure at the end of this task.

- (3) Replace the left main landing gear door uplock actuator.

These are the tasks:

Main Landing Gear Door Uplock Actuator Removal, AMM TASK 32-32-15-020-801,

Main Landing Gear Door Uplock Actuator Installation, AMM TASK 32-32-15-420-801.

(a) Do the Repair Confirmation procedure at the end of this task.

- (4) Replace the left main landing gear priority/relief valve.

These are the tasks:

Main Landing Gear Door Priority/Relief Valve Removal, AMM TASK 32-32-17-020-801,

Main Landing Gear Door Priority/Relief Valve Installation, AMM TASK 32-32-17-420-801.

(a) Do the Repair Confirmation procedure at the end of this task.

- (5) Replace the left main landing gear door actuator:

(a) These are the tasks:

Main Landing Gear Door Actuator Removal, AMM TASK 32-32-14-020-801,

Main Landing Gear Door Actuator Installation, AMM TASK 32-32-14-420-801.

(b) Do the Repair Confirmation procedure at the end of this task.

- (6) Replace the left main landing gear door-operated sequence valve,

These are the tasks:

Main Landing Gear Door-Operated Sequence Valve Removal, AMM TASK 32-32-08-020-801,

Main Landing Gear Door-Operated Sequence Valve Installation, AMM TASK 32-32-08-420-801.

(a) Do the Repair Confirmation procedure at the end of this task.

- (7) Replace the left main landing gear uplock actuator.

These are the tasks:

Main Landing Gear Uplock Actuator Removal, AMM TASK 32-32-02-020-801,

Main Landing Gear Uplock Actuator Installation, AMM TASK 32-32-02-420-801.

(a) Do the Repair Confirmation procedure at the end of this task.

- (8) Replace the left main landing gear retract actuator.

These are the tasks:

Main Landing Gear Retract Actuator Removal, AMM TASK 32-32-01-020-801-001 or Main Landing Gear Retract Actuator Removal, AMM TASK 32-32-01-020-802-002,

Main Landing Gear Retract Actuator Installation, AMM TASK 32-32-01-420-801-001 or Main Landing Gear Retract Actuator Installation, AMM TASK 32-32-01-420-803-002.

(a) Do the Repair Confirmation procedure at the end of this task.

C. Repair Confirmation

- (1) Do this task: Main Landing Gear Extension and Retraction System - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-801.

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- (a) If you can extend the left main landing gear, you corrected the fault.
- (b) If you cannot extend the left main landing gear, then continue with the subsequent step of this Fault Isolation Procedure.

END OF TASK

808. Landing Gear (Right Main) Extension Problems - Fault Isolation

A. Initial Evaluation

- (1) Do this task: Main Landing Gear Extension and Retraction System - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-801.
 - (a) If you cannot extend the right main landing gear, then do the Fault Isolation Procedure below.
 - (b) If you can extend the right main landing gear, then there was an intermittent fault.

B. Fault Isolation Procedure

- (1) Make sure that all of the landing gear lubrication points are well lubricated.
 - (a) Do this task: Upper Main Landing Gear and Actuating Mechanisms Lubrication, AMM TASK 12-21-14-640-805-002.
 - (b) Do this task: Lower Main Landing Gear and Actuating Mechanisms Lubrication, AMM TASK 12-21-14-640-806-002.
 - (c) Do the Repair Confirmation procedure at the end of this task.
- (2) Replace the right main landing gear drag-brace-operated sequence valve.

These are the tasks:

Main Landing Gear Drag-Brace-Operated Sequence Valve Removal, AMM TASK 32-32-12-020-801,

Main Landing Gear Drag-Brace-Operated Sequence Valve Installation, AMM TASK 32-32-12-420-801.

 - (a) Do the Repair Confirmation procedure at the end of this task.
- (3) Replace the right main landing gear door uplock actuator.

These are the tasks:

Main Landing Gear Door Uplock Actuator Removal, AMM TASK 32-32-15-020-801,

Main Landing Gear Door Uplock Actuator Installation, AMM TASK 32-32-15-420-801.

 - (a) Do the Repair Confirmation procedure at the end of this task.
- (4) Replace the right main landing gear priority/relief valve.

These are the tasks:

Main Landing Gear Door Priority/Relief Valve Removal, AMM TASK 32-32-17-020-801,

Main Landing Gear Door Priority/Relief Valve Installation, AMM TASK 32-32-17-420-801.

 - (a) Do the Repair Confirmation procedure at the end of this task.
- (5) Replace the right main landing gear door actuator:
 - (a) These are the tasks:

Main Landing Gear Door Actuator Removal, AMM TASK 32-32-14-020-801,

Main Landing Gear Door Actuator Installation, AMM TASK 32-32-14-420-801.
 - (b) Do the Repair Confirmation procedure at the end of this task.

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- (6) Replace the right main landing gear door-operated sequence valve.
These are the tasks:
Main Landing Gear Door-Operated Sequence Valve Removal, AMM TASK 32-32-08-020-801,
Main Landing Gear Door-Operated Sequence Valve Installation, AMM
TASK 32-32-08-420-801.
- (a) Do the Repair Confirmation procedure at the end of this task.
- (7) Replace the right main landing gear uplock actuator.
These are the tasks:
Main Landing Gear Uplock Actuator Removal, AMM TASK 32-32-02-020-801,
Main Landing Gear Uplock Actuator Installation, AMM TASK 32-32-02-420-801.
- (a) Do the Repair Confirmation procedure at the end of this task.
- (8) Replace the right main landing gear retract actuator.
These are the tasks:
Main Landing Gear Retract Actuator Removal, AMM TASK 32-32-01-020-801-001 or Main
Landing Gear Retract Actuator Removal, AMM TASK 32-32-01-020-802-002,
Main Landing Gear Retract Actuator Installation, AMM TASK 32-32-01-420-801-001 or Main
Landing Gear Retract Actuator Installation, AMM TASK 32-32-01-420-803-002.
- (a) Do the Repair Confirmation procedure at the end of this task.

C. Repair Confirmation

- (1) Do this task: Main Landing Gear Extension and Retraction System - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-801.
- (a) If you can extend the right main landing gear, you corrected the fault.
- (b) If you cannot extend the right main landing gear, then continue with the subsequent step of this Fault Isolation Procedure.

————— END OF TASK —————

809. Landing Gear (Left and Right Main) Extension Problems - Fault Isolation

A. Initial Evaluation

- (1) Do this task: Main Landing Gear Selector/Bypass Valve - Operational Test (Airplane on the Ground), AMM TASK 32-31-03-710-801
- NOTE: This verifies that the Main Landing Gear Selector valve operates correctly.
- (a) If you cannot close the left and right main landing gear doors, then do the Fault Isolation Procedure below.
- (b) If you can close the left and right main landing gear doors, then there was an intermittent fault.

B. Fault Isolation Procedure

- (1) Do this check of the wiring:
- (a) Disconnect connector DM32032A from the main landing gear selector/bypass valve, M32032.
- (b) Disconnect connector DM32057A from the landing gear control lever module, M32057.

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- (c) Do a wiring check between these pins of connector DM32032A at the main landing gear selector/bypass valve, M32032, and connector DM32057A at the landing gear control lever module, M32057 (WDM 32-31-11):

DM32032A	DM32057A
pin 3	pin 8
pin 6	pin 7

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect connector DM32032A.
 - 3) Re-connect connector DM32057A.
 - 4) Do this task: Main Landing Gear Selector/Bypass Valve - Operational Test (Airplane on the Ground), AMM TASK 32-31-03-710-801.
 - 5) you can close the left and right main landing gear doors, you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (2) Replace the main landing gear selector/bypass valve, M32032.
- These are the tasks:
- Main Landing Gear Selector/Bypass Valve Removal, AMM TASK 32-31-03-020-801,
Main Landing Gear Selector/Bypass Valve Installation, AMM TASK 32-31-03-420-801.
- (a) Do this task: Main Landing Gear Selector/Bypass Valve - Operational Test (Airplane on the Ground), AMM TASK 32-31-03-710-801.
- (b) If you can close the left and right main landing gear doors, you corrected the fault.
- (c) If the doors of the left and right main landing gear do not close, then continue.
- 1) Do this task: Main Landing Gear Extension and Retraction System - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-801
- (d) If you can extend the left and right main landing gear, you corrected the fault.

— END OF TASK —

810. Landing Gear (Nose) Extension Problems - Fault Isolation

A. Initial Evaluation

- (1) Do this task: Nose Landing Gear Extension and Retraction System - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-803.
- (a) If you cannot extend the nose landing gear, then do the Fault Isolation Procedure below.
- (b) If you can extend the nose landing gear, then there was an intermittent fault.

B. Fault Isolation Procedure

- (1) Do this check of the wiring:
- (a) Disconnect connector DM32033A from the nose landing gear selector/bypass valve, M32033.
- (b) Disconnect connector DM32057A from the landing gear control lever module, M32057.
- (c) Do a wiring check between these pins of connector DM32033A at the nose landing gear selector/bypass valve, M32033, and connector DM32057A at the landing gear control lever module, M32057 (WDM 32-31-11):

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DM32033A

pin 3 pin 8
pin 6 pin 7

DM32057A

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DM32033A.
 - 3) Re-connect connector DM32057A.
 - 4) Do this task: Nose Landing Gear Extension and Retraction System - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-803.
 - 5) If you can extend the nose landing gear, you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (2) Replace the nose landing gear selector/bypass valve, M32033.
These are the tasks:
Nose Landing Gear Selector/Bypass Valve Removal, AMM TASK 32-31-02-020-801,
Nose Landing Gear Selector/Bypass Valve Installation, AMM TASK 32-31-02-420-801.
 - (a) Do the Repair Confirmation procedure at the end of this task.
- (3) Replace the nose landing gear door-operated sequence valve:
 - (a) These are the tasks:
Nose Landing Gear Door-Operated Sequence Valve Removal, AMM TASK 32-34-04-000-801,
Nose Landing Gear Door-Operated Sequence Valve Installation, AMM TASK 32-34-04-400-801.
 - (b) Do the Repair Confirmation procedure at the end of this task.
- (4) Replace the nose landing gear door actuator:
 - (a) These are the tasks:
Nose Landing Gear Door Actuator Removal, AMM TASK 32-34-09-000-801,
Nose Landing Gear Door Actuator Installation, AMM TASK 32-34-09-400-801.
 - (b) Do the Repair Confirmation procedure at the end of this task.
- (5) Replace the nose landing gear operated sequence valve:
 - (a) These are the tasks:
Nose Landing Gear-Operated Sequence Valve Removal, AMM TASK 32-34-06-000-801,
Nose Landing Gear-Operated Sequence Valve Installation, AMM TASK 32-34-06-400-801.
 - (b) Do the Repair Confirmation procedure at the end of this task.
- (6) Replace the nose landing gear lock actuator:
 - (a) These are the tasks:
Nose Landing Gear Lock Actuator Removal, AMM TASK 32-34-03-000-801,
Nose Landing Gear Lock Actuator Installation, AMM TASK 32-34-03-400-801.
 - (b) Do the Repair Confirmation procedure at the end of this task.

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- (7) Replace the nose landing retract actuator:
 - (a) These are the tasks:
Nose Landing Gear Retract Actuator Removal, AMM TASK 32-34-01-000-801,
Nose Landing Gear Retract Actuator Installation, AMM TASK 32-34-01-400-801.
 - (b) Do the Repair Confirmation procedure at the end of this task.

C. Repair Confirmation

- (1) Do this task: Nose Landing Gear Extension and Retraction System - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-803.
 - (a) If you can extend the nose landing gear, you corrected the fault.
 - (b) If you cannot extend the nose landing gear, then continue with the subsequent step of this Fault Isolation Procedure.

————— END OF TASK —————

811. Landing Gear (Nose, Left, Right) Extension Problems - Fault Isolation

A. Initial Evaluation

- (1) Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.
 - (a) If you cannot extend the nose, left, and the right main landing gear, then do the Fault Isolation Procedure below.
 - (b) If you can extend the nose, left, and the right main landing gear, then there was an intermittent fault.

B. Fault Isolation Procedure

- (1) Do this check of the voltages at the main landing gear selector/bypass valve.
 - (a) Make sure the control lever for the landing gear is in the down position.
 - (b) Check for 28 VDC between pin 6 of connector DM32032A at the main landing gear selector/bypass valve, M32032 and structure ground (WDM 32-31-11).
 - (c) Check for 28 VDC between pin 6 of connector DM32032B at the main landing gear selector/bypass valve, M32032 and structure ground (WDM 32-31-11).
 - (d) If there is no voltage then proceed with the wiring checks.
 - (e) If voltage is present proceed with the check of ground.
- (2) Do this check of the ground at the main landing gear selector/bypass valve.
 - (a) Make sure the control lever for the landing gear is in the down position.
 - (b) Check for continuity between pin 3 of connector DM32032A at the main landing gear selector/bypass valve, M32032 and structure ground (WDM 32-31-11).
 - (c) Check for continuity between pin 3 of connector DM32032B at the main landing gear selector/bypass valve, M32032 and structure ground (WDM 32-31-11).
 - (d) If there is no ground then proceed with the wiring checks, otherwise skip the wiring checks.
- (3) Do this check of the wiring between the landing gear control lever module to the main landing gear selector/bypass valve:
 - (a) For the Landing Gear Extend/Retract 1, do this:

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- 1) Disconnect connector DM32057A from the landing gear control lever module, M32057.
- 2) Disconnect connector DM32032A from the main landing gear selector/bypass valve, M32032.
- 3) Do a wiring check between these pins of connector DM32057A at the landing gear control lever module, M32057, and connector DM32032A at the main landing gear selector/bypass valve, M32032 (WDM 32-31-11):

DM32057A	DM32032A
pin 7	pin 6
pin 8	pin3

- 4) If you find a problem with the wiring, then do these steps:
 - a) Repair the wiring.
 - b) Re-connect connector DM32032A.
 - c) Re-connect connector DM32057A.
 - d) Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.
 - e) If you can extend the nose, left, and right main landing gear, you corrected the fault.
- 5) If you do not find a problem with the wiring, then continue.
 - a) Re-connect connector DM32032A.
- (b) For the Landing Gear Extend/Retract 2, do this:
 - 1) Disconnect connector DM32057B from the landing gear control lever module, M32057.
 - 2) Disconnect connector DM32032B from the main landing gear selector/bypass valve, M32032.
 - 3) Do a wiring check between these pins of connector DM32057B at the landing gear control lever module, M32057, and connector DM32032B at the main landing gear selector/bypass valve, M32032 (WDM 32-31-11):

DM32057B	DM32032B
pin 7	pin 6
pin 8	pin3

- 4) If you find a problem with the wiring, then do these steps:
 - a) Repair the wiring.
 - b) Re-connect connector DM32032B.
 - c) Re-connect connector DM32057B.
 - d) Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.
 - e) If you can extend the nose, left, and right main landing gear, you corrected the fault.
- 5) If you do not find a problem with the wiring, then continue.
 - a) Re-connect connector DM32032B.

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- (4) Do this check of the wiring between the landing gear control lever module to the nose landing gear selector/bypass valve:
- (a) For the Landing Gear Extend/Retract 1, do this:
- 1) Disconnect connector DM32033A from the nose landing gear selector/bypass valve, M32033.
 - 2) Do a wiring check between these pins of connector DM32057A at the landing gear control lever module, M32057, and connector DM32032A at the nose landing gear selector/bypass valve, M32033 (WDM 32-31-11):
- | DM32057A | DM32033A |
|-----------------|-----------------|
| pin 7 | pin 6 |
| pin 8 | pin3 |
- 3) If you find a problem with the wiring, then do these steps:
 - a) Repair the wiring.
 - b) Re-connect connector DM32033A.
 - c) Re-connect connector DM32057A.
 - d) Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.
 - e) If you can extend the nose, left, and right main landing gear, you corrected the fault.
 - 4) If you do not find a problem with the wiring, then continue.
 - 5) Re-connect connector DM32033A.
- (b) For the Landing Gear Extend/Retract 2, do this:
- 1) Disconnect connector DM32033B from the nose landing gear selector/bypass valve, M32033.
 - 2) Do a wiring check between these pins of connector DM32057B at the landing gear control lever module, M32057, and connector DM32032B at the nose landing gear selector/bypass valve, M32033 (WDM 32-31-11):
- | DM32057B | DM32033B |
|-----------------|-----------------|
| pin 7 | pin 6 |
| pin 8 | pin3 |
- 3) If you find a problem with the wiring, then do these steps:
 - a) Repair the wiring.
 - b) Re-connect connector DM32033B.
 - c) Re-connect connector DM32057B.
 - d) Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.
 - e) If you can extend the nose, left, and right main landing gear, you corrected the fault.
 - 4) If you do not find a problem with the wiring, then continue.
 - 5) Re-connect connector DM32033B.
- (5) Do this check of the power wiring at the landing gear control lever module:

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- (a) For the Landing Gear Extend/Retract 1, do this:
- 1) Do a check of 28V DC between pin 20 of connector DM32057A at the landing gear control lever module, M32057, and structure ground (WDM 32-31-11).
 - 2) If there is not 28V DC at pin 20 of connector DM32057A, then do these steps:
 - a) Open the P11-1 pilots' overhead circuit breaker panel.
 - b) Do a check for 28V DC at the load terminal of circuit breaker C32607.
 - c) If there is not 28V DC at the circuit breaker, then do these steps:
 - <1> Replace this circuit breaker:

Overhead Circuit Breaker Panel, P11			
Row	Col	Number	Name
G	10	C32607	LDG GEAR EXTD/RETR 1
 - <2> Re-connect connector DM32057A.
 - <3> Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.
 - <4> If you can extend the nose, left, and right main landing gear, you corrected the fault.
 - d) If there is 28V DC at the circuit breaker, then do these steps:
 - <1> Repair the wiring between these pins of connector DM32057A of the landing gear control lever module, M32057, and the load terminal of circuit breaker C32607 (WDM 32-31-11):

DM32057A	C32607
pin 20	pin 2
 - <2> Re-connect connector DM32057A.
 - <3> Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.
 - <4> If you can extend the nose, left, and right main landing gear, you corrected the fault.
 - 3) If there is 28V DC at pin 20 of connector DM32057A, then continue.
- (b) For the Landing Gear Extend/Retract 2, do this:
- 1) Do a check of 28V DC between pin 20 of connector DM32057B at the landing gear control lever module, M32057, and structure ground (WDM 32-31-11).
 - 2) If there is not 28V DC at pin 20 of connector DM32057B, then do these steps:
 - a) Open the P11-1 pilots' overhead circuit breaker panel.
 - b) Do a check for 28V DC at the load terminal of circuit breaker C32608.
 - c) If there is not 28V DC at the circuit breaker, then do these steps:



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<1> Replace this circuit breaker:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	23	C32608	LDG GEAR EXTD/RETR 2

<2> Re-connect connector DM32057B.

<3> Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.

<4> If you can extend the nose, left, and right main landing gear, you corrected the fault.

d) If there is 28V DC at the circuit breaker, then do these steps:

<1> Repair the wiring between these pins of connector DM32057B of the landing gear control lever module, M32057, and the load terminal of circuit breaker C32608 (WDM 32-31-11):

DM32057B	C32608
pin 20	pin 2

<2> Re-connect connector DM32057B.

<3> Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.

<4> If you can extend the nose, left, and right main landing gear, you corrected the fault.

3) If there is 28V DC at pin 20 of connector DM32057B, then continue.

(6) Do this check of the ground wiring:

(a) For the Landing Gear Extend/Retract 1, do this:

1) Do a continuity check from pin 21 of connector DM32057A at the landing gear control lever module, M32057, to structure ground (WDM 32-31-11).

2) If you find a problem with the wiring, then do these steps:

a) Repair the wiring.

b) Reconnect connector DM32057A.

<1> Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.

3) If you can extend the nose, left, and right main landing gear, you corrected the fault.

4) If there is continuity at pin 21 of connector DM32057A, then continue.

(b) For the Landing Gear Extend/Retract 2, do this:

1) Do a continuity check from pin 21 of connector DM32057B at the landing gear control lever module, M32057, to structure ground (WDM 32-31-11).

2) If you find a problem with the wiring, then do these steps:

a) Repair the wiring.

b) Reconnect connector DM32057B.

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- <1> Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.
- 3) If you can extend the nose, left, and right main landing gear, you corrected the fault.
- 4) If there is continuity at pin 21 of connector DM32057B, then continue.
- (7) Replace the landing gear control gear lever, M32057.
- These are the tasks:
- Landing Gear Control Lever Module Removal, AMM TASK 32-31-01-020-801,
Landing Gear Control Lever Module Installation, AMM TASK 32-31-01-420-801.
- (a) Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.
- (b) If you can extend the nose, left, and right main landing gear, you corrected the fault.
- (c) If you cannot extend the nose, left, and right main landing gear, then continue.
- (8) Replace diode 1 - burndy block, R32100 (WDM 32-31-11)
- (a) Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.
- (b) If you can extend the nose, left, and right main landing gear, you corrected the fault.
- (c) If you cannot extend the nose, left, and right main landing gear, then continue.
- (9) Replace diode 2 - burndy block, R32101 (WDM 32-31-11)
- (a) Do this task: Nose and Main Landing Gear Extension and Retraction Systems - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-802.
- (b) If you can extend the nose, left, and right main landing gear, you corrected the fault.
- (c) If you cannot extend the nose, left, and right main landing gear, then continue.

————— END OF TASK —————

812. EICAS message GEAR DISAGREE (CAUTION) - Fault Isolation

A. Initial Evaluation

- (1) Look at the LANDING GEAR AND DOORS INDICATION Page on the MFD Maintenance Display.



WARNING

THIS CAN BE A VERY DANGEROUS CONDITION. IF THE NOSE LANDING GEAR IS NOT LOCKED IN THE DOWN POSITION, IT CAN ACCIDENTALLY RETRACT. IF THE NOSE LANDING GEAR RETRACTS, INJURY OR DEATH TO PERSONS AND DAMAGE TO EQUIPMENT CAN OCCUR.

- (2) If the white "IN TRANSIT" or "UP" indication for the nose landing gear shows on EICAS, and the landing gear control handle is in the DN position, then do the fault isolation procedure below.
- (3) If the nose landing gear indication is normal, then do these steps:
- (a) Go back to the FIM Fault Code Index and find the fault code for the EICAS message.
- (b) Find the correlated maintenance message number and the task number to the right of the fault code.
- (c) Go to the specified task in the FIM and do the steps in the task.

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B. Fault Isolation Procedure



WARNING

DO NOT LET YOURSELF OR ANOTHER PERSON BE UNDER THE AIRPLANE TO CHECK FOR THE DOWNLOCK PIN. IF THE NOSE LANDING GEAR RETRACTS, INJURY OR DEATH TO PERSONS AND DAMAGE TO EQUIPMENT CAN OCCUR.

- (1) If you are not sure if the downlock pin for the nose landing gear is installed, do the steps that follow:
 - (a) Stop all maintenance and other activities that cause the plane to move, shake, or bounce.
 - (b) Make sure the configuration of the hydraulic system is NOT changed.

NOTE: If the hydraulic power is supplied, leave it on. If the hydraulic power is not supplied, leave it off
 - (c) Make sure the parking brake is set.
 - (d) Make sure that chocks are secured against the front and back of at least one set of MAIN LANDING GEAR tires.
 - (e) Make sure that the down lock pins are installed in the MAIN LANDING GEAR (AMM TASK 32-00-30-480-801).



WARNING

DO NOT LET YOURSELF OR ANOTHER PERSON BE UNDER THE AIRPLANE WHEN YOU PUT THE CHOCKS IN FRONT OF THE NOSE LANDING GEAR TIRES. IF THE NOSE LANDING GEAR RETRACTS, INJURY OR DEATH TO PERSONS AND DAMAGE TO EQUIPMENT CAN OCCUR.

- (f) Use ropes or a long pole to put a chock in FRONT of the nose landing gear tires, if chocks are not already installed.

NOTE: It is only necessary to put chocks in front of the nose landing gear tires. This will prevent the nose landing gear from rolling forward and retracting.



WARNING

DO NOT LET YOURSELF OR ANOTHER PERSON BE UNDER THE AIRPLANE WHEN YOU INSTALL THE JACK PAD. IF THE NOSE LANDING GEAR RETRACTS, INJURY OR DEATH TO PERSONS AND DAMAGE TO EQUIPMENT CAN OCCUR.

- (g) Carefully install the nose jack pad and lift the nose of the airplane with a jack to support some weight of the airplane, but do not lift the nose landing gear tires off the ground (AMM TASK 07-11-02-580-801).
- (h) If hydraulic power is supplied, remove the hydraulic power from the hydraulic system. To do this, do this task: Main Hydraulic System Power Removal, AMM TASK 29-11-00-860-808.
- (i) Lift the nose of the airplane until the nose landing gear tires are clear of the ground, (AMM TASK 07-11-02-580-801).
- (j) If the downlock pin is not installed in the nose landing gear, do these steps:
 - 1) Do this task: Nose Landing Gear Extension and Retraction System - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-803.



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- 2) If functional test was not normal or you can not install the downlock pin for the nose landing gear, adjust the lock links for the nose landing gear. This procedure is in this manual: (CMM 32-21-02/701).
- 3) Do the repair confirmation at the end of this task.
- (2) If the downlock pin for the nose landing gear is installed, for the nose landing gear, do this task: Landing Gear Position Indicating and Warning System - System Test, AMM TASK 32-61-00-700-801.
 - (a) Do the repair confirmation at the end of this task.
- (3) Do this task: Landing Gear (Nose) Extension Problems - Fault Isolation, 32-30 TASK 810.

C. Repair Confirmation

- (1) Do this task: Nose Landing Gear Extension and Retraction System - Functional Test (Airplane on the Jacks), AMM TASK 32-30-01-720-803.
 - (a) If you can extend the nose landing gear, install the down lock pin and there are no existing faults, you corrected the fault.
 - (b) If you cannot extend the nose landing gear, then continue with the subsequent step of this Fault Isolation Procedure.

————— END OF TASK —————

813. Landing Gear Doors Do Not Open (On Ground) With Ground Door Release Switches or ALTN GEAR EXT Switch - Fault Isolation

A. Initial Evaluation



WARNING

MAKE SURE THAT THE DOWNLOCK PINS ARE INSTALLED IN ALL OF THE LANDING GEAR. WITHOUT THE DOWNLOCK PINS, THE LANDING GEAR CAN RETRACT AND CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT.

- (1) Do this task: Landing Gear Downlock Pins Installation, AMM TASK 32-00-30-480-801.



WARNING

OBEY THE INSTALLATION PROCEDURE FOR THE DOOR SAFETY PINS. THE DOORS OPEN AND CLOSE QUICKLY. THE MOVEMENT OF THE DOORS CAN CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT.

- (2) Do this task: Landing Gear Door Safety Pins Installation, AMM TASK 32-00-15-480-801.
 - (a) If the landing gear doors do not open, then do the Fault Isolation Procedure below.
 - (b) If the landing gear doors do open, then there was an intermittent fault.



WARNING

OBEY THE REMOVAL PROCEDURE FOR THE DOOR SAFETY PINS. THE DOORS OPEN AND CLOSE QUICKLY. THE MOVEMENT OF THE DOORS CAN CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT.

- 1) Do this task: Landing Gear Door Safety Pins Removal, AMM TASK 32-00-15-080-801.

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B. Fault Isolation Procedure

- (1) Do this check of the alternate extension hydraulic pressure switch, S32011:
 - (a) Disconnect connector DS32011 from the alternate extension hydraulic pressure switch, S32011
 - (b) Do a continuity check between pin 1 and pin 2 of the switch, S32011 (WDM 32-35-11)
 - (c) If there is continuity between pin 1 and pin 2 of the switch, S32011, then replace the alternate extension hydraulic pressure switch.

These are the tasks:

Hydraulic Pressure Switch Removal, AMM TASK 32-35-09-000-801,

Hydraulic Pressure Switch Installation, AMM TASK 32-35-09-400-801.

- (d) If there is no continuity between pin 1 and pin 2 of the switch, S32011, then do these steps:
 - 1) Re-connect the connector DS32011.



OBEY THE REMOVAL PROCEDURE FOR THE DOOR SAFETY PINS. THE DOORS OPEN AND CLOSE QUICKLY. THE MOVEMENT OF THE DOORS CAN CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT.

- 2) Do this task: Landing Gear Door Safety Pins Removal, AMM TASK 32-00-15-080-801.
 - (e) Do the Repair Confirmation procedure at the end of this task.
- (2) Replace the alternate extend power pack, B32001.

These are the tasks:

Alternate Extend Power Pack Removal, AMM TASK 32-35-02-000-801,
Alternate Extend Power Pack Installation, AMM TASK 32-35-02-400-801.

 - (a) Do the Repair Confirmation procedure at the end of this task.
- (3) Replace the alternate extend control-A relay, K32010:
 - (a) (WDM 32-35-11).
 - (b) Do the Repair Confirmation procedure at the end of this task.
- (4) Replace the alternate extend control-B relay, K32018:
 - (a) (WDM 32-35-11).
 - (b) Do the Repair Confirmation procedure at the end of this task.

C. Repair Confirmation



OBEY THE INSTALLATION PROCEDURE FOR THE DOOR SAFETY PINS. THE DOORS OPEN AND CLOSE QUICKLY. THE MOVEMENT OF THE DOORS CAN CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT.

- (1) Do this task: Landing Gear Door Safety Pins Installation, AMM TASK 32-00-15-480-801.
 - (a) If the landing gear doors open, then you corrected the fault.

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- (b) If the landing gear doors do not open, then continue with the subsequent step of this Fault Isolation Procedure.

————— END OF TASK —————

814. Landing Gear Doors (Nose, Left, and Right) Do Not Close After Being Opened Using the Alternate Extension System During Functional Test (Airplane on the Jacks) - Fault Isolation

A. Initial Evaluation

- (1) Do the check of the alternate extension system reset function contained within the following task: Landing Gear Alternate Extension System - Operational Test (Airplane on the Jacks), AMM TASK 32-35-00-720-801.
- (a) If the doors for the nose and main landing gear do not close, then do the Fault Isolation procedure below.
- (b) If the doors for the nose and main landing gear close, then there was an intermittent fault.

B. Fault Isolation Procedure

- (1) Do a check for 28V DC at pin 2 of circuit breaker C32605.
- (a) If there is not 28V DC voltage, then do these steps:
- 1) Replace this circuit breaker:
- | Left Power Management Panel, P110 | | | |
|-----------------------------------|------------|---------------|-----------------------------|
| <u>Row</u> | <u>Col</u> | <u>Number</u> | <u>Name</u> |
| M | 22 | C32605 | LG DOOR CLOSE GROUND ACCESS |
- 2) Do the Repair Confirmation at the end of this task.
- (b) If there is 28V DC at pin 2 of circuit breaker C32605, then continue.
- (2) Do a check for 28V DC at pin 24 of connector DM32057A at the landing gear control module, M32057.
- (a) If there is not 28V DC, then do these steps:
- 1) Repair the wiring between pin 24 of connector DM32057A at the landing gear control module, M32057, and pin 2 of circuit breaker C32605 (WDM 32-31-11, WDM 32-35-12).
 - 2) Do the Repair Confirmation at the end of this task.
- (b) If there is 28V DC at pin 24 of connector DM32057A at the landing gear control module, M32057, then continue.



KEEP PERSONNEL AND EQUIPMENT AWAY FROM THE RETRACTION PATH FOR THE APPLICABLE LANDING GEAR. THE LANDING GEAR AND DOORS MOVE QUICKLY. THE MOVEMENT OF THE LANDING GEAR AND DOORS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (3) Move the control lever for the landing gear to the UP position.
- (4) Do a check for 28V DC at pin 9 of connector DM32057A.
- (a) If there is not 28V DC, then do these steps:
- 1) Replace the landing gear control gear lever, M32057.

These are the tasks:

Landing Gear Control Lever Module Removal, AMM TASK 32-31-01-020-801,

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Landing Gear Control Lever Module Installation, AMM TASK 32-31-01-420-801.

- 2) Do the Repair Confirmation at the end of this task.
- (b) If there is 28V DC at pin 9 of connector DM32057A, then continue.
- (5) Do a check for 28V DC at pin A2 of connector DK32020 of the landing gear doors close time relay, K32020.
 - (a) If there is not 28V DC voltage, then do these steps:
 - 1) Repair the wiring between pin 9 of connector DM32057 of the landing gear control module, M32057, and pin A2 of connector DK32020 of the landing gear doors close time delay relay, K32020 (WDM 32-31-11, WDM 32-35-12).
 - 2) Do the Repair Confirmation at the end of this task.
 - (b) If there is 28V DC at pin A2 of connector DK32020, then continue.
- (6) Do a check for 28V DC at pin A1 of connector DK32020 of the landing gear doors close time relay, K32020.
 - (a) If there is not 28V DC voltage, then do these steps:
 - 1) Replace the landing gear doors close time delay relay, K32020, from the P320 Ground Service/Handling Power Panel.
 - 2) Do the Repair Confirmation at the end of this task.
 - (b) If there is 28V DC at pin A1 of connector DK32020, then continue.
- (7) Do a check for 28V DC at pin 14 of connector D4715P of the P105 Integration Panel.
 - (a) If there is not 28V DC voltage, then do these steps:
 - 1) Repair the wiring between pin A1 of connector DK32020 of the landing gear doors close time relay, K32020, and pin 14 of connector D4715P of the P105 Integration Panel (WDM 32-35-12).
 - 2) Do the Repair Confirmation at the end of this task.
 - (b) If there is 28V DC at pin 14 of connector D4715P of the P105 Integration Panel, then continue.
- (8) Do a check for 28V DC at pin K of connector D4729P of the P105 Integration Panel and at pin 7 of connector D4747P of the P105 Integration Panel.
 - (a) If there is not 28V DC voltage at either of these pins, then do these steps:
 - 1) Repair the wiring between pin K of connector D4729P of the P105 Integration Panel and pin 7 of connector D4747P of the P105 Integration Panel (WDM 32-35-12).
 - 2) Do the Repair Confirmation at the end of this task.

C. Repair Confirmation

- (1) Do the check of the alternate extension system reset function contained within the following task: Landing Gear Alternate Extension System - Operational Test (Airplane on the Jacks), AMM TASK 32-35-00-720-801.
 - (a) If the doors for the nose and main landing gear do close, then you corrected the fault.
 - (b) If the doors for the nose and main landing gear do not close, then continue with the subsequent step of this Fault Isolation Procedure.

————— **END OF TASK** —————

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815. Landing Gear Doors (Nose) Do Not Close After Being Opened Using the Alternate Extension System During Functional Test (Airplane on the Jacks) - Fault Isolation

A. Initial Evaluation

- (1) Do the check of the alternate extension system reset function contained within the following task: Landing Gear Alternate Extension System - Operational Test (Airplane on the Jacks), AMM TASK 32-35-00-720-801.
 - (a) If the doors for the nose landing gear do not close, then do the Fault Isolation procedure below.
 - (b) If the doors for the nose landing gear close, then there was an intermittent fault.

B. Fault Isolation Procedure



KEEP PERSONNEL AND EQUIPMENT AWAY FROM THE RETRACTION PATH FOR THE APPLICABLE LANDING GEAR. THE LANDING GEAR AND DOORS MOVE QUICKLY. THE MOVEMENT OF THE LANDING GEAR AND DOORS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (1) Move the control lever for the landing gear to the UP position.
- (2) Do a check for 28V DC at pin 3 of Nose Landing Gear Doors Switch, S32020.
 - (a) If there is not 28V DC voltage, then do these steps:
 - 1) Repair the wiring between pin 3 of Nose Landing Gear Doors Switch, S32020, and pin 14 of connector D4715P of the P105 Integration Panel (WDM 32-35-12).
 - 2) Do the Repair Confirmation at the end of this task.
 - (b) If there is 28V DC at pin 3 of Nose Landing Gear Doors Switch, S32020, then continue.
- (3) Do a check for 28V DC at pin 2 of Nose Landing Gear Doors Switch, S32020.
 - (a) If there is not 28V DC voltage, then do these steps:
 - 1) Replace the Nose Landing Gear Doors Switch, S32020.
 - 2) Do the Repair Confirmation at the end of this task.
 - (b) If there is 28V DC at pin 3 of Nose Landing Gear Doors Switch, S32020, then continue.
- (4) Do a check for 28V DC at pin 8 of connector DM32058 of the Nose Landing Gear Door Release/Safety Valve, M32058.
 - (a) If there is not 28V DC voltage, then do these steps:
 - 1) Repair the wiring between pin 2 of Nose Landing Gear Doors Switch, S32020, and pin 8 of connector DM32058 of the Nose Landing Gear Door Release/Safety Valve, M32058 (WDM 32-35-12).
 - 2) Do the Repair Confirmation at the end of this task.
 - (b) If there is 28V DC at pin 8 of Nose Landing Gear Doors Switch, S32020, then continue.
- (5) Do a check for continuity between pin 9 of connector DM32058 of the Nose Landing Gear Door Release/Safety Valve, M32058, and ground at GD1174-DC.
 - (a) If there is no continuity, then do these steps:
 - 1) Replace the Nose Landing Gear Door Release/Safety Valve Module Solenoid.These are the tasks:
Nose Landing Gear Door Release/Safety Valve Module Solenoid Valve Removal, AMM TASK 32-35-06-000-802,

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Nose Landing Gear Door Release/Safety Valve Module Solenoid Valve Installation, AMM TASK 32-35-06-400-802.

- 2) Do the Repair Confirmation at the end of this task.
- 3) Replace the Nose Landing Gear Door Release/Safety Valve, M32058.
- 4) Do the Repair Confirmation at the end of this task.

C. Repair Confirmation

- (1) Do the check of the alternate extension system reset function contained within the following task: Landing Gear Alternate Extension System - Operational Test (Airplane on the Jacks), AMM TASK 32-35-00-720-801.
 - (a) If the doors for the nose landing gear close, then you corrected the fault.
 - (b) If the doors for the nose landing gear do not close, then continue with the subsequent step of this Fault Isolation Procedure.

— END OF TASK —

816. Landing Gear Doors (Left and Right Main) Do Not Close After Being Opened Using the Alternate Extension System During Functional Test (Airplane on the Jacks) - Fault Isolation

A. Initial Evaluation

- (1) Do the check of the alternate extension system reset function contained within the following task: Landing Gear Alternate Extension System - Operational Test (Airplane on the Jacks), AMM TASK 32-35-00-720-801.
 - (a) If the doors for the left and right main landing gear do not close, then do the Fault Isolation procedure below.
 - (b) If the doors for the left and right main landing gear do close, then there was an intermittent fault.

B. Fault Isolation Procedure



KEEP PERSONNEL AND EQUIPMENT AWAY FROM THE RETRACTION PATH FOR THE APPLICABLE LANDING GEAR. THE LANDING GEAR AND DOORS MOVE QUICKLY. THE MOVEMENT OF THE LANDING GEAR AND DOORS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (1) Move the control lever for the landing gear to the UP position.
- (2) Do a check for 28V DC at pin 4 of All Doors Open/Main Landing Gear Doors Close Switch, S32016.
 - (a) If there is not 28V DC voltage, then do these steps:
 - 1) Repair the wiring between pin 4 of All Doors Open/Main Landing Gear Doors Close Switch, S32016, and pin 14 of connector D4715P of the P105 Integration Panel (WDM 32-35-12).
 - 2) Do the Repair Confirmation at the end of this task.
 - (b) If there is 28V DC at pin 4 of All Doors Open/Main Landing Gear Doors Close Switch, S32016, then continue.
- (3) Do a check for 28V DC at pin 5 of All Doors Open/Main Landing Gear Doors Close Switch, S32016.
 - (a) If there is not 28V DC voltage, then do these steps:
 - 1) Replace the All Doors Open/Main Landing Gear Doors Close Switch, S32016.

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- 2) Do the Repair Confirmation at the end of this task.
- (b) If there is 28V DC at pin 5 of All Doors Open/Main Landing Gear Doors Close Switch, S32016, then do these steps:
 - 1) Repair the wiring between pin 5 of All Doors Open/Main Landing Gear Doors Close Switch, S32016, and pins 5 and 6 of connector D8151P (WDM 32-35-12).
 - 2) Do the Repair Confirmation at the end of this task.

C. Repair Confirmation

- (1) Do the check of the alternate extension system reset function contained within the following task: Landing Gear Alternate Extension System - Operational Test (Airplane on the Jacks), AMM TASK 32-35-00-720-801.
 - (a) If the doors for the left and right main landing gear close, then you corrected the fault.
 - (b) If the doors for the left and right main landing gear do not close, then continue with the subsequent step of this Fault Isolation Procedure.

— END OF TASK —

817. Landing Gear Doors (Left Main) Do Not Close After Being Opened Using the Alternate Extension System During Functional Test (Airplane on the Jacks) - Fault Isolation

A. Initial Evaluation

- (1) Do the check of the alternate extension system reset function contained within the following task: Landing Gear Alternate Extension System - Operational Test (Airplane on the Jacks), AMM TASK 32-35-00-720-801.
 - (a) If the doors for the left main landing gear do not close, then do the Fault Isolation procedure below.
 - (b) If the doors for the left main landing gear do close, then there was an intermittent fault.

B. Fault Isolation Procedure



KEEP PERSONNEL AND EQUIPMENT AWAY FROM THE RETRACTION PATH FOR THE APPLICABLE LANDING GEAR. THE LANDING GEAR AND DOORS MOVE QUICKLY. THE MOVEMENT OF THE LANDING GEAR AND DOORS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (1) Move the control lever for the landing gear to the UP position.
- (2) Do a check for 28V DC at pin 8 of connector DM32183 of the Left Main Gear Door Release/Safety Valve, M32183.
 - (a) If there is not 28V DC voltage, then do these steps:
 - 1) Repair the wiring between pin 5 of the All Doors Open/Main Landing Gear Doors Close Switch, S32016, and pin 8 of connector DM32183 of the Left Main Gear Door Release/Safety Valve, M32183 (WDM 32-35-12).
 - 2) Do the Repair Confirmation at the end of this task.
 - (b) If there is 28V DC at pin 8 of connector DM32183 of the Left Main Gear Door Release/Safety Valve, M32183, then continue.
- (3) Do a check for continuity between pin 9 of connector DM32183 of the Left Main Gear Door Release/Safety Valve, M32183, and ground at GB45002-DC.
 - (a) If there is no continuity, then do these steps:
 - 1) Replace the Main Landing Gear Door Release/Safety Valve Module Solenoid.

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These are the tasks:

Main Landing Gear Door Release/Safety Valve Module Solenoid Valve Removal,
AMM TASK 32-35-05-000-802,

Main Landing Gear Door Release/Safety Valve Module Solenoid Valve Installation,
AMM TASK 32-35-05-400-802.

- 2) Do the Repair Confirmation at the end of this task.
- 3) Replace the Left Main Gear Door Release/Safety Valve, M32183.
- 4) Do the Repair Confirmation at the end of this task.

C. Repair Confirmation

- (1) Do the check of the alternate extension system reset function contained within the following task: Landing Gear Alternate Extension System - Operational Test (Airplane on the Jacks), AMM TASK 32-35-00-720-801.
 - (a) If the doors for the left main landing gear close, then you corrected the fault.
 - (b) If the doors for the left main landing gear do not close, then continue with the subsequent step of this Fault Isolation Procedure.

————— END OF TASK —————

818. Landing Gear Doors (Right Main) Do Not Close After Being Opened Using the Alternate Extension System During Functional Test (Airplane on the Jacks) - Fault Isolation

A. Initial Evaluation

- (1) Do the check of the alternate extension system reset function contained within the following task: Landing Gear Alternate Extension System - Operational Test (Airplane on the Jacks), AMM TASK 32-35-00-720-801.
 - (a) If the doors for the right main landing gear do not close, then do the Fault Isolation procedure below.
 - (b) If the doors for the right main landing gear do close, then there was an intermittent fault.

B. Fault Isolation Procedure



KEEP PERSONNEL AND EQUIPMENT AWAY FROM THE RETRACTION PATH FOR THE APPLICABLE LANDING GEAR. THE LANDING GEAR AND DOORS MOVE QUICKLY. THE MOVEMENT OF THE LANDING GEAR AND DOORS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (1) Move the control lever for the landing gear to the UP position.
- (2) Do a check for 28V DC at pin 8 of connector DM32283 of the Right Main Gear Door Release/Safety Valve, M32283.
 - (a) If there is not 28V DC voltage, then do these steps:
 - 1) Repair the wiring between pin 5 of the All Doors Open/Main Landing Gear Doors Close Switch, S32016, and pin 8 of connector DM32283 of the Right Main Gear Door Release/Safety Valve, M32283 (WDM 32-35-12).
 - 2) Do the Repair Confirmation at the end of this task.
 - (b) If there is 28V DC at pin 8 of connector DM32283 of the Right Main Gear Door Release/Safety Valve, M32283, then continue.
- (3) Do a check for continuity between pin 9 of connector DM32283 of the Right Main Gear Door Release/Safety Valve, M32283, and ground at GB45006-DC.

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- (a) If there is no continuity, then do these steps:
 - 1) Replace the Main Landing Gear Door Release/Safety Valve Module Solenoid.
These are the tasks:
Main Landing Gear Door Release/Safety Valve Module Solenoid Valve Removal,
AMM TASK 32-35-05-000-802,
Main Landing Gear Door Release/Safety Valve Module Solenoid Valve Installation,
AMM TASK 32-35-05-400-802.
 - 2) Do the Repair Confirmation at the end of this task.
 - 3) Replace the Right Main Gear Door Release/Safety Valve, M32283.
 - 4) Do the Repair Confirmation at the end of this task.

C. Repair Confirmation

- (1) Do the check of the alternate extension system reset function contained within the following task: Landing Gear Alternate Extension System - Operational Test (Airplane on the Jacks), AMM TASK 32-35-00-720-801.
 - (a) If the doors for the right main landing gear close, then you corrected the fault.
 - (b) If the doors for the right main landing gear do not close, then continue with the subsequent step of this Fault Isolation Procedure.

————— END OF TASK —————

819. Landing Gear Doors (Nose, Left, and Right) Do Not Close After Being Opened Using the Alternate Extend System Power Pack During Operational Test (Airplane on the Ground) - Fault Isolation

A. Initial Evaluation

- (1) Check if the nose and main landing doors close by doing the following task: Landing Gear Ground Door Release System Operation (Close the Doors), AMM TASK 32-00-40-860-801.
 - (a) If the doors for the nose and the main landing gear do not close, then do the Fault Isolation procedure below.
 - (b) If the doors for the nose and the main landing gear close, then there was an intermittent fault.

B. Fault Isolation Procedure

- (1) Do a check for 28V DC at pin 2 of circuit breaker C32605.
 - (a) If there is not 28V DC voltage, then do these steps:
 - 1) Replace this circuit breaker:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	22	C32605	LG DOOR CLOSE GROUND ACCESS

- 2) Do the Repair Confirmation at the end of this task.

C. Repair Confirmation

- (1) Close the nose and the main landing gear doors. Do this task: Landing Gear Ground Door Release System Operation (Close the Doors), AMM TASK 32-00-40-860-801.
 - (a) If the doors for the nose and the main landing gear close, then you corrected the fault.

————— END OF TASK —————

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820. Landing Gear Doors (Nose) Do Not Close After Being Opened (Airplane on the Ground) - Fault Isolation

A. Description

- (1) Nose Landing Gear (NLG) Doors do not close after being opened using one of the following methods:
 - (a) Landing Gear Alternate Extension System - Operational Test (Airplane on the Ground), AMM TASK 32-35-00-710-801.
 - (b) Landing Gear Ground Door Release System Operation (Open the Doors), AMM TASK 32-00-40-860-802.

B. Initial Evaluation

- (1) Check if the nose landing doors close by doing the following task: Landing Gear Ground Door Release System Operation (Close the Doors), AMM TASK 32-00-40-860-801.
 - (a) If the doors for the nose landing gear do not close, then do the Fault Isolation procedure below.
 - (b) If the doors for the nose landing gear close, then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Do a check for 28V DC at pin 1 of the Nose Landing Gear Doors Arm Switch, S32018.
 - (a) If there is not 28V DC voltage, then do these steps:
 - 1) Repair the wiring between pin 1 of the Nose Landing Gear Doors Arm Switch, S32018, and pin 2 of circuit breaker C32605 (WDM 32-35-12).
 - 2) Do the Repair Confirmation at the end of this task.
 - (b) If there is 28V DC at pin 1 of the Nose Landing Gear Doors Arm Switch, S32018, then continue.
- (2) On the service and APU shutdown panel, P40, move the Nose Landing Gear Doors Arm Switch, S32018, to the ARM position and hold it there.
- (3) Do a check for 28V DC at pin 2 of the Nose Landing Gear Doors Arm Switch, S32018.
 - (a) If there is not 28V DC voltage, then do these steps:
 - 1) Replace the Nose Landing Gear Doors Arm Switch, S32018.
 - 2) Do the Repair Confirmation at the end of this task.
 - (b) If there is 28V DC at pin 2 of the Nose Landing Gear Doors Arm Switch, S32018, then continue.
- (4) On the service and APU shutdown panel, P40, move the Nose Landing Gear Doors Arm Switch, S32018, to the ARM position and hold it there.
- (5) Do a check for 28V DC at pin 1 of the Nose Landing Gear Doors Close Switch, S32020.
 - (a) If there is not 28V DC voltage, then do these steps:
 - 1) Repair the wiring between pin 2 of the Nose Landing Gear Doors Arm Switch, S32018, and pin 1 of the Nose Landing Gear Doors Close Switch, S32020 (WDM 32-35-12).
 - 2) Do the Repair Confirmation at the end of this task.
 - (b) If there is 28V DC at pin 1 of the Nose Landing Gear Doors Close Switch, S32020, then continue.
- (6) On the service and APU shutdown panel, P40, move the Nose Landing Gear Doors Arm Switch, S32018, to the ARM position and hold it there.

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- (7) On the service and APU shutdown panel, P40, move the Nose Landing Gear Doors Close Switch, S32020, to the CLOSE position and hold it there.
- (8) Do a check for 28V DC at pin 2 of the Nose Landing Gear Doors Close Switch, S32020.
 - (a) If there is not 28V DC voltage, then do these steps:
 - 1) Replace the Nose Landing Gear Doors Close Switch, S32020.
 - 2) Do the Repair Confirmation at the end of this task.
 - (b) If there is 28V DC at pin 2 of the Nose Landing Gear Doors Close Switch, S32020, then continue.
- (9) On the service and APU shutdown panel, P40, move the Nose Landing Gear Doors Arm Switch, S32018, to the ARM position and hold it there.
- (10) On the service and APU shutdown panel, P40, move the Nose Landing Gear Doors Close Switch, S32020, to the CLOSE position and hold it there.
- (11) Do a check for 28V DC at pin 8 of connector DM32058 for the Nose Landing Gear Doors Release/Safety Valve Module, M32058.
 - (a) If there is not 28V DC voltage, then do these steps:
 - 1) Repair the wiring between pin 2 of the Nose Landing Gear Doors Close Switch, S32020, and pin 8 of connector DM32058 for the Nose Landing Gear Doors Release/Safety Valve Module, M32058 (WDM 32-35-12).
 - 2) Do the Repair Confirmation at the end of this task.
 - (b) If there is 28V DC at pin 8 of connector DM32058 for the Nose Landing Gear Doors Release/Safety Valve Module, M32058, then continue.
- (12) Do a check for continuity between pin 9 of connector DM32058 of the Nose Landing Gear Door Release/Safety Valve, M32058, and ground at GD1174-DC.
 - (a) If there is no continuity, then do these steps:
 - 1) Replace the Nose Landing Gear Door Release/Safety Valve Module Solenoid.
These are the tasks:
Nose Landing Gear Door Release/Safety Valve Module Solenoid Valve Removal,
AMM TASK 32-35-06-000-802
Nose Landing Gear Door Release/Safety Valve Module Solenoid Valve Installation,
AMM TASK 32-35-06-400-802
 - 2) Do the Repair Confirmation at the end of this task.
 - 3) If there is continuity, replace the Nose Landing Gear Door Release/Safety Valve, M32058.
 - 4) Do the Repair Confirmation at the end of this task.

D. Repair Confirmation

- (1) Close the nose landing gear doors. Do this task: Landing Gear Ground Door Release System Operation (Close the Doors), AMM TASK 32-00-40-860-801.
 - (a) If the doors for the nose landing gear close, then you corrected the fault.
 - (b) If the doors for the nose landing gear do not close, then continue with the subsequent step of this Fault Isolation Procedure.

————— **END OF TASK** —————

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821. Landing Gear Doors (Left and Right Main) Do Not Close After Being Opened (Airplane on the Ground) - Fault Isolation

A. Description

- (1) Main Landing Gear (MLG) Doors do not close after being opened using one of the following methods:
 - (a) Landing Gear Alternate Extension System - Operational Test (Airplane on the Ground), AMM TASK 32-35-00-710-801
 - (b) Landing Gear Ground Door Release System Operation (Open the Doors), AMM TASK 32-00-40-860-802

B. Initial Evaluation

- (1) Close the MLG Doors. This is the task: Landing Gear Ground Door Release System Operation (Close the Doors), AMM TASK 32-00-40-860-801.
 - (a) If the MLG Doors do not close correctly, then do the Fault Isolation Procedure below.
 - (b) If the MLG Doors close correctly, then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Do a check for 28V DC at pin 8 of Arm Door Switch, S32015.
 - (a) If there is not 28V DC, then do these steps:
 - 1) Repair the wiring between pin 8 of Arm Door Switch, S32015, and pin 2 of circuit breaker C32605 (WDM 32-35-12).
 - 2) Do the Repair Confirmation at the end of this task.
 - (b) If there is 28V DC at pin 8 of Arm Door Switch, S32015, then continue.
- (2) On the main wheel well electrical service panel, P56, move the Arm Door Switch, S32015, to the ARM DOORS position and hold it there.
- (3) Do a check for 28V DC at pin 7 of the Arm Door Switch, S32015.
 - (a) If there is not 28V DC voltage, then do these steps:
 - 1) Replace the Arm Door Switch, S32015.
 - 2) Do the Repair Confirmation at the end of this task.
 - (b) If there is 28V DC at pin 7 of the Arm Door Switch, S32015, then continue.
- (4) On the main wheel well electrical service panel, P56, move the Arm Door Switch, S32015, to the ARM DOORS position and hold it there.
- (5) Do a check for 28V DC at pin 6 of the All Doors Open/Main Landing Gear Doors Close Switch, S32016.
 - (a) If there is not 28V DC voltage, then do these steps:
 - 1) Repair the wiring between pin 7 of the Arm Door Switch, S32015, and pin 6 of the All Doors Open/Main Landing Gear Doors Close Switch, S32016 (WDM 32-35-12).
 - 2) Do the Repair Confirmation at the end of this task.
 - (b) If there is 28V DC at pin 6 of the All Doors Open/Main Landing Gear Doors Close Switch, S32016, then continue.
- (6) On the main wheel well electrical service panel, P56, move the Arm Door Switch, S32015, to the ARM DOORS position and hold it there.
- (7) On the main wheel well electrical service panel, P56, move the All Doors Open/Main Landing Gear Doors Close Switch, S32016, to the CLOSE position and hold it there.

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- (8) Do a check for 28V DC at pin 5 of the All Doors Open/Main Landing Gear Doors Close Switch, S32016.
- (a) If there is not 28V DC voltage, then do these steps:
- 1) Replace the All Doors Open/Main Landing Gear Doors Close Switch, S32016.
 - 2) Do the Repair Confirmation at the end of this task.
- (b) If there is 28V DC at pin 5 of the All Doors Open/Main Landing Gear Doors Close Switch, S32016, then continue.
- (9) On the main wheel well electrical service panel, P56, move the Arm Door Switch, S32015, to the ARM DOORS position and hold it there.
- (10) On the main wheel well electrical service panel, P56, move the All Doors Open/Main Landing Gear Doors Close Switch, S32016, to the CLOSE position and hold it there.
- (11) Do a check for 28V DC at pins 5 and 6 of connector D8151.
- (a) If there is not 28V DC voltage, then do these steps:
- 1) Repair the wiring between pin 5 of the All Doors Open/Main Landing Gear Doors Close Switch, S32016, and pins 5 and 6 of connector D8151P (WDM 32-35-12).
 - 2) Do the Repair Confirmation at the end of this task.
- (b) If there is 28V DC at pins 5 and 6 of connector D8151, then continue.
- (12) If only the Left MLG Doors do not close, do these electrical checks (WDM 32-35-12):
- Do a check for 28V DC at pin 8 of the Left MLG Door Release/Safety Valve connector DM32183.
 - Do a check for GND at pin 9 of the same connector.
- (a) If the electrical checks are not satisfactory, examine and repair the applicable wiring as follows:

Connector	L MLG DR
D8151P	Rel/Safety VLV
	DM32183
pin 5	pin 8

L MLG DR	GROUND
Rel/Safety VLV	
DM32183	
pin 9	GB45002-DC

- 1) Do the Repair Confirmation at the end of this task.
- (b) If the electrical checks are satisfactory, do a Resistance check between pins B and C at the Left MLG Door Release/Safety Valve, M32183 to examine the Valve Solenoid.

NOTE: The Resistance Range indicated below is at Temperatures between 65°F (18°C) to 75°F (24°C).

- 1) If the Solenoid Resistance is not between 43 and 47 Ohms, then replace the Left MLG Door Release/Safety Valve Module Solenoid. These are the tasks:
- Main Landing Gear Door Release/Safety Valve Module Solenoid Valve Removal, AMM TASK 32-35-05-000-802,
 - Main Landing Gear Door Release/Safety Valve Module Solenoid Valve Installation, AMM TASK 32-35-05-400-802.

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- 2) If the Solenoid Resistance is between 43 and 47 Ohms, then replace the Left MLG Door Release/Safety Valve Module, M32183. These are the tasks:
- Main Landing Gear Door Release/Safety Valve Module Removal, AMM TASK 32-35-05-000-801
 - Main Landing Gear Door Release/Safety Valve Module Installation, AMM TASK 32-35-05-400-801.
- (13) If only the Right MLG Doors do not close, do these electrical checks (WDM 32-35-12):
- Do a check for 28V DC at pin 8 of the Right MLG Door Release/Safety Valve connector DM32283.
 - Do a check for GND at pin 9 of the same connector.
- (a) If the electrical checks are not satisfactory, examine and repair the applicable wiring as follows:

Connector	R MLG DR Rel/Safety VLV DM32283
pin 6	pin 8

R MLG DR Rel/Safety VLV DM32183	GROUND
pin 9	GB45006-DC

- 1) Do the Repair Confirmation at the end of this task.
- (b) If the electrical checks are satisfactory, do a Resistance check between pins B and C at the Right MLG Door Release/Safety Valve, M32283 to examine the Valve Solenoid.
- NOTE:** The Resistance Range indicated below is at Temperatures between 65°F (18°C) to 75°F (24°C).
- 1) If the Solenoid Resistance is not between 43 and 47 Ohms, then replace the Right MLG Door Release/Safety Valve Module Solenoid. These are the tasks:
- Main Landing Gear Door Release/Safety Valve Module Solenoid Valve Removal, AMM TASK 32-35-05-000-802,
 - Main Landing Gear Door Release/Safety Valve Module Solenoid Valve Installation, AMM TASK 32-35-05-400-802.
- 2) If the Solenoid Resistance is between 43 and 47 Ohms, then replace the Right MLG Door Release/Safety Valve Module, M32283. These are the tasks:
- Main Landing Gear Door Release/Safety Valve Module Removal, AMM TASK 32-35-05-000-801
 - Main Landing Gear Door Release/Safety Valve Module Installation, AMM TASK 32-35-05-400-801.

D. Repair Confirmation

- (1) Close the MLG Doors. This is the task: Landing Gear Ground Door Release System Operation (Close the Doors), AMM TASK 32-00-40-860-801.
- (a) If the MLG Doors close correctly, then you corrected the fault.

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- (b) If the MLG Doors do not close correctly, then continue the Fault Isolation at the subsequent step.

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801. Normal Brake Hydraulic System Pressure Switch Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-30660.

B. Initial Evaluation

NOTE: This message can only occur when you do the System Interface ground test on the MAT. It will occur if the ground test is failed. If the ground test is passed the maintenance message will not show on the ground test display.

- (1) Do this check of the normal brake hydraulic system pressure switch:
- (a) Disconnect connector DS32014 from the pressure switch, S32014.
 - (b) Depressurize the right hydraulic system. To depressurize it, do this task: Main Hydraulic System and the Reservoir Depressurization, AMM TASK 29-11-00-860-807.
 - (c) Do a continuity check between pins 2 and 3 of connector DS32014 (WDM 32-41-11).
 - (d) Pressurize the right hydraulic system. To pressurize it, do this task: Main Hydraulic System Pressurization, AMM TASK 29-11-00-860-801.
 - (e) Do a check of open circuit between pins 2 and 3 of connector DS32014 .
 - (f) If you find a problem with the wiring, then do these steps:
 - 1) Replace the pressure switch, S32014 (WDM 32-41-11).
 - 2) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface.
 - 3) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (g) If you do not find a problem with the wiring, then continue.
- (2) Do this check of the wiring:
- (a) Remove the brake system control unit (BSCU), M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Do a wiring check between these pins of connector DS32014 at the pressure switch, S32014, and connector DM32017AA at the E6-1 shelf (WDM 32-41-11):

DS32014	DM32017AA
pin 3	pin D7

- (c) Do a wiring check between pin 2 of connect DS32014 at the pressure switch, S32014 and structure ground (WDM 32-41-11).
- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DS32014.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 4) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface.
 - 5) If the maintenance message does not show on the ground test display, you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.

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- (f) Re-connect connector DS32014.
- (3) Install a new BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (a) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface.
 - 1) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

802. Alternate Brake Hydraulic System Pressure Switch Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-30670.

B. Initial Evaluation

NOTE: This message can only occur when you do the System Interface ground test on the MAT. It will occur if the ground test is failed. If the ground test is passed the maintenance message will not show on the ground test display.

C. Fault Isolation Procedure

- (1) Do this check of the alternate brake hydraulic system pressure switch:
 - (a) Disconnect connector DS32013 from the pressure switch, S32013.
 - (b) Remove hydraulic power from the right and center hydraulic systems. To remove it, do this task: Main Hydraulic System and the Reservoir Depressurization, AMM TASK 29-11-00-860-807.
 - (c) Do a continuity check between pins 2 and 3 of connector DS32013 (WDM 32-41-11).
 - (d) Pressurize the center hydraulic system with the ACMP 1. To pressurize it, do this task: Main Hydraulic System Pressurization with an Alternating Current Motor Pump, AMM TASK 29-11-00-860-803.
 - (e) Do a check of the alternate source selector valve:
 - 1) To show the LANDING GEAR BRKS/STRNG maintenance page on the multi-function display (MFD), do this task: Showing a Maintenance Page, AMM TASK 31-61-00-800-804.
 - 2) Fully push and hold the captain's brake pedals.
NOTE: The parking brake can be set to hold the pedals.
 - 3) Make sure the NORM brake metered pressure shows 0 - 160 psig on the LANDING GEAR BRKS/STRNG maintenance page.
 - 4) Make sure the ALTN brake metered pressure shows 2800 - 3200 psig on the LANDING GEAR BRKS/STRNG maintenance page.
 - 5) Release the captain's brake pedals (or parking brake).
 - 6) Put the MFD back to its normal condition so that it shows the EICAS engine secondary information.
 - 7) If the brake metered pressure for the alternate source did not read 2800 - 3200 psi, then do these steps:
 - a) Install a new alternate source select valve, do this task: Brake Alternate Source Selector Valve Installation, AMM TASK 32-41-04-400-801.

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- b) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface.
- c) If the maintenance message does not show on the ground test display, you corrected the fault.
- 8) If the brake metered pressure for the alternate source did read 2800 - 3200 psi, then continue.
- (f) Do a check of open circuit between pins 2 and 3 of connector DS32013.
- (g) If you find a problem with the wiring, then do these steps:
 - 1) Replace the pressure switch, S32013 (WDM 32-41-11).
 - 2) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface.
 - 3) If the maintenance message does not show on the ground test display, you corrected the fault.
- (h) If you do not find a problem with the wiring, then continue.
- (2) Do this check of the wiring:
 - (a) Remove the brake system control unit (BSCU), M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Do a wiring check between these pins of connector DS32013 at the pressures switch, S32013, and connector DM32017AA at the E6-1 shelf (WDM 32-41-11):

DS32013	DM32017AA
pin 2	pin D7
pin 3	pin E9
- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DS32013.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 4) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System 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 continue.
- (e) Re-connect connector DS32013.
- (3) Install a new BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (a) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface.
 - 1) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

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803. Brakes Pull to the Left or Right - Fault Isolation

A. Fault Isolation Procedure

- (1) Look at the MAINT INFO page on the MFD. To see this page, do this task: Showing a Snapshot, AMM TASK 31-61-00-800-805.
 - (a) If there is an AUTO snapshot for 32 Landing Gear Brakes/Steering, then do these steps:
 - 1) Look at the brakes temperature indications for the landing gear.
 - 2) If one of the indications is equal or greater than 5.0, then do these steps:
 - a) Replace the brake with high temperature indication.
These are the tasks:
Main Landing Gear Brake Removal, AMM TASK 32-45-07-000-801,
Main Landing Gear Brake Installation, AMM TASK 32-45-07-400-801.
 - b) If the brakes operate correctly on subsequent flights, you corrected the fault.
 - 3) If all of the indications for the left or right side are equal or greater than 5.0, then do these steps:
 - a) Do this task: Brake Hydro-Mechanical Control System Adjustment, AMM TASK 32-41-00-820-801.
 - b) If the brakes operate correctly on subsequent flights, you corrected the fault.
 - (b) If there is not an AUTO snapshot for 32 Landing Gear Brakes/Steering, then continue.
- (2) Do a check of the landing gear tires pressure:
 - (a) Do this task: Landing Gear Tire Pressure Check, AMM TASK 12-15-03-780-801.
 - (b) If the landing gear tires pressure are not satisfactory, then do these steps:
 - 1) Do this task: Landing Gear Tire Servicing, AMM TASK 12-15-03-610-801.
 - 2) If the brakes operate correctly on subsequent flights, you corrected the fault.

————— **END OF TASK** —————

804. Brakes Grab, Drag, or Lock - Fault Isolation

A. Fault Isolation Procedure

- (1) Look at the MAINT INFO page on the MFD. To see this page, do this task: Showing a Snapshot, AMM TASK 31-61-00-800-805.
 - (a) If there is an AUTO snapshot for 32 Landing Gear Brakes/Steering, then do these steps:
 - 1) Look at the brakes temperature indications for the landing gear.
 - 2) If one of the indications is equal or greater than 5.0, then do these steps:
 - a) Replace the brake with high temperature indication.
These are the tasks:
Main Landing Gear Brake Removal, AMM TASK 32-45-07-000-801,
Main Landing Gear Brake Installation, AMM TASK 32-45-07-400-801.
 - b) If the brakes operate correctly on subsequent flights, you corrected the fault.
 - 3) If all of the indications for the left or right side are equal or greater than 5.0, then continue.
- (b) If there is not an AUTO snapshot for 32 Landing Gear Brakes/Steering, then continue.

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- (2) Do this task: Brake Hydro-Mechanical Control System Adjustment, AMM TASK 32-41-00-820-801.
 - (a) If the brakes operate correctly on subsequent flights, you corrected the fault.
 - (b) If the brakes do not operate normally on subsequent flights, then continue.
- (3) Replace the brake metering valve.

These are the tasks:

Brake Metering Valve (Normal/Alternate) Removal, AMM TASK 32-41-02-000-801,
Brake Metering Valve (Normal/Alternate) Installation, AMM TASK 32-41-02-400-801.

 - (a) If the brakes operate correctly on subsequent flights, you corrected the fault.

— END OF TASK —

805. Brake Pressure Indication Low/Zero Problems - Fault Isolation

A. Fault Isolation Procedure

- (1) Do a check for nitrogen gas leakage at the brake accumulator charging valve.
 - (a) If there is nitrogen gas leakage at the brake accumulator charging valve, then do these steps:
 - 1) Replace the brake accumulator charging valve.

These are the tasks:

Brake Accumulator Charging Valve Removal, AMM TASK 32-41-09-000-801,
Brake Accumulator Charging Valve Installation, AMM TASK 32-41-09-400-801.
 - 2) If the brake pressure indication does not show low/zero, you corrected the fault.
 - (b) If there is no nitrogen gas leakage at the brake accumulator charging valve, then continue.
- (2) Do a check for the correct adjustment of the parking brake system.

These are the tasks:

Parking Brake System Adjustment, AMM TASK 32-44-00-820-801
Parking Brake System - Operational Test, AMM TASK 32-44-00-710-801
Parking Brake Hold Check, AMM TASK 32-44-00-790-801

 - (a) If the brake pressure indication does not show low/zero, you corrected the fault.
 - (b) If the brake pressure indication shows low/zero, then continue.
- (3) Replace the brake accumulator pressure transducer, M32034.

These are the tasks:

Brake Accumulator Pressure Transducer Removal, AMM TASK 32-41-10-000-801,
Brake Accumulator Pressure Transducer Installation, AMM TASK 32-41-10-400-801.

 - (a) If the brake pressure indication does not show low/zero, you corrected the fault.
 - (b) If the brake pressure indication shows low/zero, then continue.
- (4) Replace the brake accumulator.

These are the tasks:

Brake Accumulator Removal, AMM TASK 32-41-07-000-801,
Brake Accumulator Installation, AMM TASK 32-41-07-400-801.

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- (a) If the brake pressure indication does not show low/zero, you corrected the fault.

————— END OF TASK —————

806. Brake Pressure Indication Problems - Fault Isolation

A. Fault Isolation Procedure

- (1) Replace the brake accumulator pressure gage.

These are the tasks:

Brake Accumulator Pressure Gage (Flight Compartment) Removal, AMM
TASK 32-41-11-000-801,

nyufBrake Accumulator Pressure Gage (Flight Compartment) Installation, AMM
TASK 32-41-11-400-801.

- (a) If the brake pressure indication operates correctly, you corrected the fault.

- (b) If the brake pressure indication does not operate correctly, then continue.

- (2) Replace the brake accumulator pressure transducer, M32034.

These are the tasks:

Brake Accumulator Pressure Transducer Removal, AMM TASK 32-41-10-000-801,

Brake Accumulator Pressure Transducer Installation, AMM TASK 32-41-10-400-801.

- (a) If the brake pressure indication operates correctly, you corrected the fault.

————— END OF TASK —————

807. Pressure Transducer Signal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-30510, 32-30520, 32-30530, 32-30540.

B. Initial Evaluation

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

C. Fault Isolation Procedure

ARO ALL; AIRPLANES WITH A 142-123 OR 142-123-01 (S294W401-XX) BSCU INSTALLED.

- (1) Do this check of the pressure transducer:

- (a) Disconnect connector from the applicable pressure transducer.

- (b) Do a check for 0V DC from pin 2 of connector on the pressure transducer to structure ground (WDM 32-41-12).

- (c) Do a check for 15V DC from pin 3 of connector on the pressure transducer to structure ground (WDM 32-41-12).

- (d) If there is 0V DC at pin 2 and 15V DC at pin 3, then do these steps:

- 1) Replace the applicable pressure transducer.

These are the tasks:

Brake Metered Pressure Transducers Removal, AMM TASK 32-42-11-000-801,

Brake Metered Pressure Transducers Installation, AMM TASK 32-42-11-400-801.

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ARO ALL; AIRPLANES WITH A 142-123 OR 142-123-01 (S294W401-XX) BSCU INSTALLED. (Continued)

- 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 not 0V DC at pin 2 or 15V DC between pin 2 and pin 3, then continue.

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- (2) Do this check of the wiring:
- (a) Remove the brake system control unit (BSCU), M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
- (b) In the table below, find the electrical connector and the pair of pins for the applicable pressure transducer (WDM 32-41-12):

Pressure Transducer

	BSCU Connector	TRANS CONN
ALT, R M32225	DM32017AC	DM32XXX
	pin B9	pin 2
	pin D7	pin 3

Pressure Transducer

	BSCU Connector	TRANS CONN
NORM, R M32224	DM32017AC	DM32XXX
	pin J9	pin 2
	pin G9	pin 3

Pressure Transducer

	BSCU Connector	TRANS CONN
ALT, L M32125	DM32017AA	DM32XXX
	pin J9	pin 2
	pin G10	pin 3

Pressure Transducer

	BSCU Connector	TRANS CONN
NORM, L M32124	DM32017AA	DM32XXX
	pin B8	pin 2
	pin C10	pin 3

- (c) Do a wiring check between the pair of pins of connector DM32017AA or DM32017AC at the E6-2 shelf and the connector at the pressure transducer.
- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect the connector to the pressure transducer.

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- 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect the connector to the pressure transducer.
- (3) Install a new BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (a) 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. Normal Antiskid Valve Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-30050, 32-30060, 32-30070, 32-30080, 32-30090, 32-30100, 32-30110, 32-30120, 32-30130, 32-30140, 32-30150, 32-30160.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 normal antiskid valve:
 - (a) Disconnect connector from the applicable normal antiskid valve.
 - (b) Measure the resistance between pin 1 and pin 2 of the connector at the applicable normal antiskid valve.
 - (c) If the resistance is not 100-280 ohms, then do these steps:
 - 1) Replace the applicable normal antiskid valve.
These are the tasks:
Antiskid Valve Removal, AMM TASK 32-42-03-000-802
Antiskid Valve Installation, AMM TASK 32-42-03-400-802.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (d) If the resistance is 100-280 ohms, then continue.
- (2) Do this check of the wiring:
 - (a) Remove the brake system control unit (BSCU), M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) In the table below, find the electrical connector and the pair of pins for the applicable normal antiskid valve
(WDM 32-42-11, WDM 32-42-14 for Table 201).
(WDM 32-42-12, WDM 32-42-13 for Table 202)

Table 201/32-42-00-993-801 Antiskid Wheels 1,4,5,8,9,12

VALVE	EQUIP NUMBER	DM32017AA (BSCU CONN)		DV32XXX (VALVE CONN)
1	V32101	pin E2	-----	pin 1
4	V32204	pin G7	-----	pin 1
5	V32105	pin F1	-----	pin 1
8	V32208	pin J7	-----	pin 1
9	V32109	pin B2	-----	pin 1
12	V32212	pin J2	-----	pin 1

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Table 202/32-42-00-993-802 Antiskid Wheels 2,3,6,7,10,11

VALVE	EQUIP NUMBER	DM32017AC (BSCU CONN)		DV32XXX (VALVE CONN)
2	V32102	pin E2	-----	pin 1
3	V32203	pin G7	-----	pin 1
6	V32106	pin F1	-----	pin 1
7	V32207	pin J7	-----	pin 1
10	V32110	pin B2	-----	pin 1
11	V32211	pin J2	-----	pin 1

- (c) Do a wiring check between the pair of pins of connector DM32017AA or DM32017AC at the E6-2 shelf and the connector at the normal antiskid valve.
- (d) Do a continuity check between pin 2 of connector at the applicable normal antiskid valve, and structure ground.
- (e) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect the connector to the normal antiskid valve.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue:
 - 1) Re-connect the connector to the normal antiskid valve.
- (3) Install a new BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (a) 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. Alternate Antiskid Valve Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-30170, 32-30180, 32-30190, 32-30200, 32-30210, 32-30220, 32-30230, 32-30240.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 alternate antiskid valve:
 - (a) Disconnect connector from the applicable alternate antiskid valve.

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- (b) Measure the resistance between pin 1 and pin 2 of the connector at the applicable alternate antiskid valve.
- (c) If the resistance is not 100-280 ohms, then do these steps:
 - 1) Replace the applicable alternate antiskid valve.
These are the tasks:
Alternate Anti-skid Valve Module (4 - Valve) Removal, AMM TASK 32-42-02-000-801,
Alternate Antiskid Valve Module (4 - Valve) Installation, AMM TASK 32-42-02-400-801.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If the resistance is 100-280 ohms, then continue.
- (2) Do this check of the wiring:
 - (a) Remove the brake system control unit (BSCU), M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) In the table below, find the electrical connector and the two pairs of pins for the applicable alternate antiskid valve. For the first table, refer to WDM 32-42-11WDM 32-42-11and WDM 32-42-14. For the second table, refer to WDM 32-42-12 and WDM 32-42-13:

Table 203/32-42-00-993-805 Antiskid Wheels 1,4,5,8,9 &12

VALVE	EQUIP NUMBER	DM32017AA (BSCU CONN)		DV32XXX (VALVE CONN)
1&5	V32115	pin E1	-----	pin 1
4&8	V32248	pin H7	-----	pin 1
9	V32119	pin B1	-----	pin 1
12	V32242	pin J1	-----	pin 1

Table 204/32-42-00-993-806 Antiskid Wheels 2,3,6,7,10 & 11

VALVE	EQUIP NUMBER	DM32017AC (BSCU CONN)		DV32XXX (VALVE CONN)
2&6	V32126	pin E1	-----	pin 1
3&7	V32237	pin H7	-----	pin 1
10	V32120	pin B1	-----	pin 1
11	V32231	pin J1	-----	pin 1

- (c) Do a wiring check between the pair of pins of connector DM32017AA or DM32017AC at the E6-2 shelf and the connector at the alternate antiskid valve.
- (d) Do a continuity check between pin 2 of connector at the applicable alternate antiskid valve, and structure ground.
- (e) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect the connector to the alternate antiskid valve.

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- 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue:
 - 1) Re-connect the connector to the alternate antiskid valve.
- (3) Install a new BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (a) 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. Antiskid Transducer Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-30250, 32-30260, 32-30270, 32-30280, 32-30290, 32-30300, 32-30310, 32-30320, 32-30330, 32-30340, 32-30350, 32-30360.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 antiskid transducer:
 - (a) Disconnect connector from the applicable antiskid transducer.
 - (b) Measure the resistance between pin 1 and pin 3 of the connector at the applicable antiskid transducer.
 - (c) If the resistance is not 130-800 ohms, do these steps:
 - 1) Replace the applicable antiskid transducer.
These are the tasks:
In-Axle Transformer and Antiskid Transducer Removal, AMM TASK 32-42-05-000-807,
In-Axle Assembly Installation, AMM TASK 32-42-05-400-801.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If the resistance is 130-800 ohms, then continue.
- (2) Do this check of the wiring:
 - (a) Remove the brake system control unit (BSCU), M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) In the table below, find the electrical connector and the pair of pins for the applicable antiskid transducer For the first table, refer to WDM 32-42-11 and WDM 32-42-14For the second table, refer to WDM 32-42-12 and WDM 32-42-13:

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Table 205/32-42-00-993-807 Antiskid Wheels 1, 4, 5, 8, 9 & 12

TRANS.	EQUIP NUMBER	DM32017AA (BSCU CONN)	DM32XXX (TRANS. CONN)
1	M32171	pin D1 pin D2	pin 3 pin 1
4	M32274	pin F6 pin F7	pin 3 pin 1
5	M32175	pin G1 pin G2	pin 3 pin 1
8	M32278	pin K6 pin J6	pin 3 pin 1
9	M32179	pin A1 pin A2	pin 3 pin 1
12	M32282	pin K1 pin K2	pin 3 pin 1

Table 206/32-42-00-993-808 Antiskid Wheels 2, 3, 6, 7, 10 & 11

TRANS.	EQUIP NUMBER	DM32017AC (BSCU CONN)	DM32XXX (TRANS. CONN)
2	M32172	pin D1 pin D2	pin 3 pin 1
3	M32273	pin F6 pin F7	pin 3 pin 1
6	M32176	pin G1 pin G2	pin 3 pin 1
7	M32277	pin K6 pin J6	pin 3 pin 1
10	M32180	pin A1 pin A2	pin 3 pin 1
11	M32281	pin K1 pin K2	pin 3 pin 1

- (c) Do a wiring check between the pairs of pins of connector DM32017AA or DM32017AC at the E6-2 shelf and the connector at the antiskid transducer. Do a check of the continuity and short to ground.
- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect the connector to the antiskid transducer.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue:
- 1) Re-connect the connector to the antiskid transducer.

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- (3) Install a new BSCU M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (a) 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. Autobrake Valve Module Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-30380.

B. Initial Evaluation

- (1) Do this ground test on the MAT: 32-Antiskid/Autobrake Control System, System Test, Autobrake Application.
 - (a) If maintenance message 32-30380 shows on the ground test display, then do the fault isolation procedure below:
 - (b) If any other maintenance messages than 32-30380 show on the ground test display, do these steps:
 - 1) Find each message in the Maintenance Message Index.
 - 2) Do the specified fault isolation task.
 - (c) If no maintenance message shows on the ground test display, then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Cycle electrical power to the BSCU by opening and closing the following circuit breakers:
 - (a) Open the following circuit breakers:
 - (b) P110 Panel

Open this circuit breaker:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	23	C32621	LG BRAKE CONTROL-BITE/L-COMM

Open this circuit breaker:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	20	C32613	LG AUTOBRAKE/BITE/R-COMM CB 1

- (c) P210 Panel

Open this circuit breaker:

Right Power Management Panel, P210

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
N	1	C32614	LG AUTOBRAKE/BITE/R-COMM CB 2

- (d) Close the following circuit breakers:

NOTE: Close both the 110M23 LG BRAKE CONTROL-BITE/L-COMM and 110M20 LG AUTOBRAKE/BITE/R-COMM CB 1 circuit breakers at the same time. Then close the 210N1 LG AUTOBRAKE/BITE/R-COMM CB 2 circuit breaker.

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- (e) Close these two circuit breakers at the same time.
- (f) P110 Panel

Close this circuit breaker:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	23	C32621	LG BRAKE CONTROL-BITE/L-COMM

Close this circuit breaker:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	20	C32613	LG AUTOBRAKE/BITE/R-COMM CB 1

- (g) P210 Panel

Close this circuit breaker:

Right Power Management Panel, P210

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
N	1	C32614	LG AUTOBRAKE/BITE/R-COMM CB 2

- (2) Accomplish the Autobrake Application Test on the MAT. Refer to AMM PAGEBLOCK 32-42-00/501.
- (3) If the PASSED message shows at end of the application test, no further action is necessary.
- (4) If the FAILED message shows at end of the application test, troubleshoot the noted failure condition per the 777 FIM.
- (5) If maintenance message 32-30380 still shows on the ground test display, perform Autobrake Solenoid Valve Pressure Switch Problems - Fault Isolation, 32-42 TASK 805.

END OF TASK

805. Autobrake Solenoid Valve Pressure Switch Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-30390.

B. Initial Evaluation

NOTE: This message can only occur when you do the Autobrake Application ground test on the MAT. It will occur if the ground test is failed. If the ground test is passed the maintenance message will not show on the ground test display.

C. Fault Isolation Procedure

- (1) Do this check of the wiring:
 - (a) Remove the brake system control unit (BSCU), M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Disconnect connector DM32018B from the autobrake valve module, M32018.
 - (c) Do a wiring check between these pin of connector DM32018B at the autobrake valve module, M32018, and connector DM32017AB at the E6-2 shelf (WDM 32-42-15):

DM32018B

DM32017AB

pin 1 pin E11

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- (d) Do a wiring check between pin 2 of connector DM32018B at the autobrake valve module, M32018, and structure ground (WDM 32-42-15).
 - (e) If you find a problem with the wiring, do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DM32018B.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 4) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, Autobrake Application.
 - a) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (f) If you do not find a problem with the wiring, then continue.
 - (g) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (2) Replace the autobrake valve module, M32018 pressure switch
- These are the tasks:
- Autobrake Valve Module Line Replaceable Units Removal, AMM TASK 32-42-09-000-802,
Autobrake Valve Module Line Replaceable Units Installation, AMM TASK 32-42-09-000-803.
- (a) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, Autobrake Application.
 - 1) If the maintenance message does not show on the ground test display, you corrected the fault.
 - 2) If the maintenance message shows on the ground test display, then continue.
- (3) Replace the BSCU, M32017.
- These are the tasks:
- Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801,
Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (a) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, Autobrake Application.
 - 1) If the maintenance message does not show on the ground test display, you corrected the fault.
 - 2) If the maintenance message shows on the ground test display, then continue.
- (4) Replace the autobrake inhibit switch pack assembly.
- These are the tasks:
- Switch Pack Removal, AMM TASK 76-11-11-000-804-H00,
Switch Pack Installation, AMM TASK 76-11-11-400-804-H00.
(WDM 32-42-15).
- (a) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface Test.
 - 1) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

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806. Autobrake Pressure Transducer Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-30400.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 brake system control unit (BSCU), M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Disconnect connector DM32018D from the autobrake valve module.
 - (c) Do a wiring check between these pins of connector DM32017AB at the E6-2 shelf and connector DM32018D at the autobrake valve module, M32018 (WDM 32-42-15):

DM32017AB

pin C2
pin B4

DM32018D

pin 3
pin 2

- (d) Do a wiring check between pin 1 of connector DM32018D at the autobrake valve module, M32018, and structure ground (WDM 32-42-15).
 - (e) If you find a problem with the wiring, do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DM32018D.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (f) If you do not find a problem with the wiring, then continue.
 - (g) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (2) Replace the autobrake valve module, M32018, pressure transducer
These are the tasks:
Brake Metered Pressure Transducers Removal, AMM TASK 32-42-11-000-801,
Brake Metered Pressure Transducers Installation, AMM TASK 32-42-11-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the brake system control unit (BSCU), M32017.
These are the tasks:
Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801,
Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.

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- (a) 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. Autobrake Selector Switch Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-30420.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Set the autobrake selector switch on the center forward instrument panel, P2-2, to the DISARM position.
- (a) If the AUTOBRAKE advisory message shows on the EICAS, then do these steps:
- 1) Replace the autobrake selector switch, S32001.
These are the tasks:
Autobrake Selector Switch Removal, AMM TASK 32-42-07-000-801,
Autobrake Selector Switch Installation, AMM TASK 32-42-07-400-801.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the AUTOBRAKE advisory message does not show on the EICAS, then continue.
- (2) Do this check of the power wiring:
- (a) Remove the autobrake selector switch, S32001. To remove it, do this task: Autobrake Selector Switch Removal, AMM TASK 32-42-07-000-801.
- (b) Do a check for 28V DC from pin 2 of connector DS32001 at the autobrake selector switch, S32001, to structure ground (WDM 32-42-15).
- (c) If there is 28V DC at pin 2 of connector DS32001, then do these steps:
- 1) Install a new autobrake selector switch, S32001. To install it, do this task: Autobrake Selector Switch Installation, AMM TASK 32-42-07-400-801.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 3) If the MAT shows ACTIVE for the maintenance message, then continue.
- (d) If there is not 28V DC at pin 2 of connector DS32001, then continue.
- (3) Do this check of the wiring from the autobrake selector switch to the BSCU:
- (a) Remove the brake system control unit (BSCU), M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
- (b) Do a wiring check between these pins of connector DS32001 at the autobrake selector switch, S32001, and connector DM32017AB at the E6-2 shelf (WDM 32-42-15):

DS32001

DM32017AB

pin 2 pin C8

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- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the autobrake selector switch, S32001. To install it, do this task: Autobrake Selector Switch Installation, AMM TASK 32-42-07-400-801.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (e) Re-install the autobrake selector switch, S32001. To install it, do this task: Autobrake Selector Switch Installation, AMM TASK 32-42-07-400-801.
- (4) Replace the BSCU, M32017.

These are the tasks:

Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801,
Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.

 - (a) 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. Thrust Lever Switch (L1) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-30430.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 thrust lever switch pack module:
 - (a) Disconnect connector D0115P from D0115J at the thrust lever switch pack module, M32060.
 - (b) Move the left thrust lever to the RETARDED position.
 - (c) Do a continuity check between pins 4 and 10 of connector D0115P (WDM 32-42-15).
 - (d) Move the left thrust lever to the ADVANCED position.
 - (e) Do a check for open circuit between pins 4 and 10 of connector D0115P (WDM 32-42-15).
 - (f) If you find a problem with the thrust lever switch pack module, then do these steps:
 - 1) Replace the thrust lever switch (L1) from the thrust lever switch pack module, M32060

These are the tasks:

Switch Pack Removal, AMM TASK 76-11-11-000-804-H00,

Switch Pack Installation, AMM TASK 76-11-11-400-804-H00.

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(WDM 32-42-15).

- 2) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface Test.
 - a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (g) If you do not find a problem with the thrust lever switch pack module, then continue.
- (2) Do this check of the wiring:
 - (a) Do a continuity check between pin 4 of connector D0115J at the center aisle panel, P10, and structure ground (WDM 32-42-15).
 - (b) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector D0115J.
 - 3) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface Test.
 - a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (c) Remove the brake system control unit (BSCU), M32007. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (d) Do a continuity check between these pins of connector DM32017AB at the E6-2 shelf and connector D0115J at the center aisle panel, P10 (WDM 32-42-15):

DM32017AB	D0115J
pin E1	pin 10
 - (e) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector D0115J.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 4) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface Test.
 - a) 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 problem with the wiring, then continue.
 - (g) Re-connect connector D0115J.
 - (3) Install a new BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - (a) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface Test.
 - 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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809. Autobrake and ARINC 629 Bus-R Power Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-30490.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 power wiring:
 - (a) Remove the brake system control unit (BSCU), M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Do a check for 28V DC from pin H6 of connector DM32017AB to structure ground (WDM 32-42-15).
 - (c) If there is 28V DC at pin H6 of connector DM32017AB, then do these steps:
 - 1) Install a new BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (d) If there is not 28V DC at pin H6 of connector DM32017AB, then continue.
 - (e) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (2) Do this voltage check at the P110 left power management panel:
 - (a) Open the P110 left power management panel.
 - (b) Do a check for 28V DC at the load terminal of circuit breaker C32613.
 - (c) If there is not 28V DC at the circuit breaker, then do these steps:
 - 1) Replace this circuit breaker:
(WDM 32-42-15)

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	20	C32613	LG AUTOBRAKE/BITE/R-COMM CB 1

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then continue.
 - (d) If there is 28V DC at the circuit breaker, then continue.
- (3) Do this voltage check at the P210 right power management panel:
 - (a) Open the P210 right power management panel.
 - (b) Do a check for 28V DC at the load terminal of circuit breaker C32614.
 - (c) If there is not 28V DC at the circuit breaker, then do these steps:
 - 1) Replace this circuit breaker:
(WDM 32-42-15)

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Right Power Management Panel, P210

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
N	1	C32614	LG AUTOBRAKE/BITE/R-COMM CB 2

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then continue.
- (d) If there is 28V DC at the circuit breaker, then continue.
- (4) Open this circuit breaker and install safety tag:

Right Power Management Panel, P210

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
N	1	C32614	LG AUTOBRAKE/BITE/R-COMM CB 2

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then continue.
 - 1) Remove the safety tag and close this circuit breaker:

Right Power Management Panel, P210

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
N	1	C32614	LG AUTOBRAKE/BITE/R-COMM CB 2

- 2) Open this circuit breaker and install safety tag:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	20	C32613	LG AUTOBRAKE/BITE/R-COMM CB 1

- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault. Do this step to complete the task:
 - a) Remove the safety tag and close this circuit breaker:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	20	C32613	LG AUTOBRAKE/BITE/R-COMM CB 1

- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the autobrake diode 1, R32001: (WDM 32-42-15)
 - (a) Remove the center display unit from the P2 panel, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
 - (b) Replace the autobrake diode 1, R32001 on TB1001 DQ (WDM 32-42-15).
 - (c) Install the center display unit in the P2 panel, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
 - (d) If the MAT shows ACTIVE for the maintenance message, then do these steps:
 - 1) Repair the wiring between these pins of connector D11028P at the P110 panel and connector DM32017 at the E6-2 shelf (WDM 32-42-15):

D11028P	DM32017AB
pin 7	pin H6

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- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then continue.
- (e) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), then continue.
- (f) Open this circuit breaker and install safety tag:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	20	C32613	LG AUTOBRAKE/BITE/R-COMM CB 1

- (g) Open this circuit breaker and install safety tag:

Right Power Management Panel, P210

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
N	1	C32614	LG AUTOBRAKE/BITE/R-COMM CB 2

- (h) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault. Do this step to complete the task:
 - 1) Remove the safety tag and close this circuit breaker:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	20	C32613	LG AUTOBRAKE/BITE/R-COMM CB 1

- (i) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the autobrake diode 2, R32002: (WDM 32-42-15)
 - (a) Remove the center display unit from the P2 panel, do this task: Display Unit Removal, AMM TASK 31-61-01-000-801.
 - (b) Replace the autobrake diode 2, R32002 on TB1001 DQ (WDM 32-42-15).
 - (c) Install the center display unit in the P2 panel, do this task: Display Unit Installation, AMM TASK 31-61-01-400-801.
 - (d) If the MAT shows ACTIVE for the maintenance message, then do these steps:
 - 1) Repair the wiring between these pins of connector D21028P at the P210 panel and connector DM32017 at the E6-2 shelf (WDM 32-42-15):

D21028P	DM32017AB
pin 8	pin H6

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault. Do this step to complete the task:
 - a) Remove the safety tag and close this circuit breaker:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	20	C32613	LG AUTOBRAKE/BITE/R-COMM CB 1

————— **END OF TASK** —————

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810. BSCU ARINC 629 Bus-L Power Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-30500.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 power wiring:
 - (a) Remove the brake system control unit (BSCU), M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Do a check for 28V DC from pin H4 of connector DM32017AA to structure ground (WDM 32-42-16).
 - (c) If there is 28V DC at pin H4 of connector DM32017AA, then do these steps:
 - 1) Install a new BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (d) If there is not 28V DC at pin H4 of connector DM32017AA, then continue.
- (2) Do this check of the power wiring:
 - (a) Open the P110 left power management panel.
 - (b) Do a check for 28V DC at the load terminal of circuit breaker C32621.
 - (c) If there is not 28V DC at the circuit breaker, then do these steps (WDM 32-42-16):
 - 1) Replace this circuit breaker:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	23	C32621	LG BRAKE CONTROL-BITE/L-COMM

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If there is 28V DC at the circuit breaker, then do these steps:
 - 1) Repair the wiring between these pins of connector DM32017AA at the E6-2 shelf and the load terminal of circuit breaker C32621 (WDM 32-42-16):

DM32017AA	C32621
pin H4	pin 2

- 2) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 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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811. BSCU to Systems 629 Bus-L Communication Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-38840, 32-39401.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the brake system control unit (BSCU), M32017.

These are the tasks:

Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801,

Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B32113, in the P115 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the BSCU to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring from the BSCU to the coupler:
 - (a) Remove the BSCU, M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Disconnect connector DB32113 from the coupler, D32113.
 - (c) Do a continuity check between these pins of connector DM32017AA at the E6-2 shelf and connector DB32113 at the P115 panel (WDM 32-42-16):

DM32017AA	DB32113
pin 1TR	pin 1
pin 1T	pin 2
pin 2TR	pin 4
pin 2T	pin 5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect connector DB32113.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.

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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 —————

812. Autobrake Valve Module Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-30650.

B. Initial Evaluation

- (1) If the MAT shows 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: 32 Antiskid/Autobrake Control System, System Test, Autobrake Application.
 - (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 autobrake valve module, M32018.

These are the tasks:

Autobrake Valve Module Removal, AMM TASK 32-42-09-000-801,
Autobrake Valve Module Installation, AMM TASK 32-42-09-400-801.

 - (a) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, Autobrake Application.
 - (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 brake system control unit (BSCU), M32017.

These are the tasks:

Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801,
Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.

 - (a) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, Autobrake Application.
 - (b) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the maintenance message shows on the ground test display, then continue.
- (3) Do this check of the wiring:
 - (a) Remove the BSCU, M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Disconnect connector DM32018C from the autobrake valve module, M32018.
 - (c) Do a continuity check between these pins of connector DM32017AB at the E6-2 shelf and connector DM32018C at the autobrake valve module, M32018 (WDM 32-42-15):

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DM32017AB

pin A11 pin 2
pin C11 pin 1

DM32018C

- (d) Disconnect connector DM32018A from the autobrake valve module, M32018.
- (e) Do a continuity check between these pins of connector DM32017AB at the E6-2 shelf and connector DM32018A at the autobrake valve module, M32018 (WDM 32-42-15):

DM32017AB

pin E9 pin 1

DM32018A

- (f) Do a continuity check between pin 2 of connector DM32018A at the autobrake valve module, M32018, and structure ground (WDM 32-42-15).
- (g) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DM32018A.
 - 3) Re-connect connector DM32018C.
 - 4) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 5) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, Autobrake Application.
 - 6) If the maintenance message does not show on the ground test display, you corrected the fault.

END OF TASK

813. BSCU No Input from PSEU 1 on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-39405.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the brake system control unit (BSCU), M32017.
These are the tasks:
Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801,
Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly (CCA), Communication, A2, in the proximity sensor electronics unit (PSEU) 1, M32021.

These are the tasks:

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PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32113, in the P115 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the BSCU to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B32115, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects PSEU 1 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the BSCU to the coupler:
 - (a) Remove the BSCU, M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Disconnect connector DB32113 from the coupler, B32113.
 - (c) Do a continuity check between these pins of connector DM32017AA at the E6-2 shelf and connector DB32113 at the P115 panel (WDM 32-42-16):

DM32017AA	DB32113
pin 1TR	pin 1
pin 1T	pin 2
pin 2TR	pin 4
pin 2T	pin 5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect connector DB32113.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (e) Re-connect connector DB32113.

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- (f) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (6) Do this check of the wiring from PSEU 1 to the coupler:
 - (a) Remove the CCA, Communication, A2, in PSEU 1, M32021. To remove it, These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (b) Disconnect connector DB32115 from the coupler, B32115.
 - (c) Do a continuity check between these pins of connector DM32021A at the E1-5 shelf and connector DB32115 at the P111 panel (WDM 32-08-11):

DM32021A	DB32115
pin 1TR	pin 1
pin 1T	pin 2
pin 2TR	pin 4
pin 2T	pin 5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect connector DB32115.
 - 3) Re-install the CCA, Communication, A2, in PSEU 1, M32021. To install it, do this task: PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - 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 —————

814. BSCU No Input from AIMS-L on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-39407.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the brake system control unit (BSCU), M32017.
These are the tasks:
Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801,
Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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.

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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) Replace the ARINC 629 coupler, B32113, in the P115 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the BSCU 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:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

NOTE: This coupler connects the left AIMS to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the BSCU to the coupler:
- (a) Remove the BSCU, M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Disconnect connector DB32113 from the coupler, B32113.
 - (c) Do a continuity check between these pins of connector DM32017AA at the E6-2 shelf and connector DB32113 at the P115 panel (WDM 32-42-16):

DM32017AA	DB32113
pin 1TR	pin 1
pin 1T	pin 2
pin 2TR	pin 4
pin 2T	pin 5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect connector DB32113.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 5) If the MAT shows ACTIVE for the maintenance message, then continue.

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- (e) Re-connect connector DB32113.
- (f) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (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 continuity check between these pins of connector J420-B at the left AIMS cabinet and connector DB31112 at the P111 panel (WDM 31-41-12):

J420-B	DB31112
pin G3	pin 5
pin G4	pin 4
pin G1	pin 2
pin G2	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect connector DB31112.
 - 3) Re-install the IOM(M009) module in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

815. Brake System Control Unit Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-30630, 32-38801.

B. Initial Evaluation

- (1) Cycle the electrical power to the BSCU by opening and closing circuit breakers on the P110 and P210 Panels.
 - (a) If the PASSED message shows at the end of the application test, no further action is necessary.
 - (b) If the FAILED message shows at the end of the application test, continue on with the next fault isolation procedure.

C. Fault Isolation Procedure

- (1) Cycle electrical power to the BSCU by opening and closing the following circuit breakers:
 - (a) Open the following circuit breakers:
 - (b) P110 Panel

Open this circuit breaker:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	23	C32621	LG BRAKE CONTROL-BITE/L-COMM

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Open this circuit breaker:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	20	C32613	LG AUTOBRAKE/BITE/R-COMM CB 1

- (c) P210 Panel

Open this circuit breaker:

Right Power Management Panel, P210

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
N	1	C32614	LG AUTOBRAKE/BITE/R-COMM CB 2

- (d) Close the following circuit breakers:

NOTE: Close the 110M23 LG BRAKE CONTROL-BITE/L-COMM and 110M20 LG AUTOBRAKE/BITE/R-COMM CB 1 circuit breakers at the same time and close the 210N1 LG AUTOBRAKE/BITE/R-COMM CB 2 circuit breaker last.

- (e) P110 Panel

Close this circuit breaker:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	23	C32621	LG BRAKE CONTROL-BITE/L-COMM

Close this circuit breaker:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	20	C32613	LG AUTOBRAKE/BITE/R-COMM CB 1

- (f) P210 Panel

Close this circuit breaker:

Right Power Management Panel, P210

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
N	1	C32614	LG AUTOBRAKE/BITE/R-COMM CB 2

- (2) Accomplish the Autobrake Application Test on the MAT. Refer to AMM PAGEBLOCK 32-42-00/501.
- (3) If the PASSED message shows at the end of the application test, no further action is necessary.
- (4) If the FAILED message shows at the end of the application test, continue on with the next fault isolation procedure.

D. Fault Isolation Procedure

- (1) Replace the brake system control unit, M32017.

These are the tasks:

Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801,

Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.

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- (a) 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. BSCU (Primary Chan) No Input from PSEU 2 on Systems 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 brake system control unit (BSCU), M32017.

These are the tasks:

Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801,

Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly (CCA), Communication, A17, in the proximity sensor electronics unit (PSEU) 2, M32025.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32113, in the P115 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the BSCU to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B32215, in the P111 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects PSEU 2 to the Systems 629 Bus-L.

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

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the BSCU to the coupler:
 - (a) Remove the BSCU, M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Disconnect connector DB32113 from the coupler, B32113.
 - (c) Do a continuity check between these pins of connector DM32017AA at the E6-2 shelf and connector DB32113 at the P115 panel (WDM 32-42-16):

DM32017AA	DB32113
pin 1TR	pin 1
pin 1T	pin 2
pin 2TR	pin 4
pin 2T	pin 5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect connector DB32113.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (e) Re-connect connector DB32113.
- (f) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (6) Do this check of the wiring from PSEU 2 to the coupler:
 - (a) Remove the CCA, Communication, A17, in PSEU 2, M32025. To remove it, These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (b) Disconnect connector DB32215 from the coupler, B32215.
 - (c) Do a continuity check between these pins of connector DM32025A at the E4-1 shelf and connector DB32215 at the P111 panel (WDM 32-08-21):

DM32025A	DB32215
pin 1TR	pin 1
pin 1T	pin 2
pin 2TR	pin 4
pin 2T	pin 5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect connector DB32215.
 - 3) Re-install the CCA, Communication, A17, in PSEU 2, M32025. To install it, do this task: PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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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. BSCU No Input from AIMS-R on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-39408.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the brake system control unit (BSCU), M32017.

These are the tasks:

Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801,

Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B32213, in the P215 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the BSCU 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, B31112, in the P111 panel.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,

Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

NOTE: This coupler connects the left AIMS to the Systems 629 Bus-L.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the BSCU to the coupler:
- (a) Remove the BSCU, M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
- (b) Disconnect connector DB32213 from the coupler, B32213.
- (c) Do a continuity check between these pins of connector DM32017AB at the E6-2 shelf and connector DB32213 at the P215 panel (WDM 32-42-16):
- | DM32017AB | DB32213 |
|------------------|----------------|
| pin 1TR | pin 1 |
| pin 1T | pin 2 |
| pin 2TR | pin 4 |
| pin 2T | pin 5 |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect connector DB32213.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (e) Re-connect connector DB32213.
- (f) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (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 continuity check between these pins of connector J420-B at the right AIMS cabinet and connector DB31116 at the P111 panel (WDM 31-41-12):
- | J420-B | DB31116 |
|---------------|----------------|
| pin G3 | pin 5 |
| pin G4 | pin 4 |
| pin G1 | pin 2 |
| pin G2 | pin 1 |
- (d) If you find a problem with the wiring, then do these steps:
- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect connector DB31116.
 - 3) Re-install the IOM(M009) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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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. BSCU No Input from PSEU 1 on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-39605.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the brake system control unit (BSCU), M32017.

These are the tasks:

Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801,

Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly (CCA), Communication, A17, in the proximity sensor electronics unit (PSEU) 1, M32021.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32213, in the P215 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the BSCU to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B32301, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects PSEU 1 to the Systems 629 Bus-R.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the BSCU to the coupler:
 - (a) Remove the BSCU, M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Disconnect connector DB32213 from the coupler, B32213.
 - (c) Do a continuity check between these pins of connector DM32017AB at the E6-2 shelf and connector DB32213 at the P215 panel (WDM 32-42-16):

DM32017AB	DB32213
pin 1TR	pin 1
pin 1T	pin 2
pin 2TR	pin 4
pin 2T	pin 5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect connector DB32213.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (e) Re-connect connector DB32213.
- (f) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (6) Do this check of the wiring from PSEU 1 to the coupler:
 - (a) Remove the CCA, Communication, A17, in PSEU 1, M32021. To remove it, These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (b) Disconnect connector DB32305 from the coupler, B32305.
 - (c) Do a continuity check between these pins of connector DM32021D at the E1-5 shelf and connector DB32301 at the P211 panel (WDM 32-08-11):

DM32021D	DB32301
pin 1TN	pin 1
pin 1TP	pin 2
pin 2TN	pin 4
pin 2TP	pin 5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect connector DB32301.

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- 3) Re-install the CCA, Communication, A17, in PSEU 1, M32021. To install it, do this task: PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- 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** —————

819. BSCU No Input from PSEU 2 on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-39606.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the brake system control unit (BSCU), M32017.

These are the tasks:

Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801,

Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the circuit card assembly (CCA), Communication, A2, in the proximity sensor electronics unit (PSEU) 2, M32025.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32213, in the P215 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the BSCU to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B32302, in the P211 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

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ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects PSEU 2 to the Systems 629 Bus-L.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the BSCU to the coupler:
 - (a) Remove the BSCU, M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Disconnect connector DB32113 from the coupler, B32113.
 - (c) Do a continuity check between these pins of connector DM32017AB at the E6-2 shelf and connector DB32213 at the P215 panel (WDM 32-42-16):

DM32017AB	DB32213
pin 1TR	pin 1
pin 1T	pin 2
pin 2TR	pin 4
pin 2T	pin 5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect connector DB32213.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (e) Re-connect connector DB32213.
- (f) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (6) Do this check of the wiring from PSEU 2 to the coupler:
 - (a) Remove the CCA, Communication, A2, in PSEU 2, M32025. To remove it, These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (b) Disconnect connector DB32302 from the coupler, B32302.
 - (c) Do a continuity check between these pins of connector DM32025D at at the E4-4 shelf and connector DB32302 at the P211 panel (WDM 32-08-21):

DM32025D	DB32302
pin 1TR	pin 1
pin 1TP	pin 2
pin 2TR	pin 4
pin 2TP	pin 5

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

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- 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
- 2) Re-connect connector DB32302.
- 3) Re-install the CCA, Communication, A2, in PSEU 2, M32025. To install it, do this task: PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- 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 —————

820. BSCU No Input from AIMS-L on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-39607.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the brake system control unit (BSCU), M32017.

These are the tasks:

Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801,
Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M004) module in the left AIMS cabinet.

These are the tasks:

Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32213, in the P215 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the BSCU to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the ARINC 629 coupler, B31211, in the P211 panel.

These are the tasks:

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Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801,
Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

NOTE: This coupler connects the left AIMS to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the BSCU to the coupler:
 - (a) Remove the BSCU, M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Disconnect connector DB32213 from the coupler, B32213.
 - (c) Do a continuity check between these pins of connector DM32017AB at the E6-2 shelf and connector DB32213 at the P215 panel (WDM 32-42-16):

DM32017AB	DB32213
pin 1TR	pin 1
pin 1T	pin 2
pin 2TR	pin 4
pin 2T	pin 5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect connector DB32213.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (e) Re-connect connector DB32213.
- (f) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (6) Do this check of the wiring from the left AIMS cabinet to the coupler:
 - (a) Remove the IOM(M004) module from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
 - (b) Disconnect connector DB31211 from the coupler, B31211.
 - (c) Do a continuity check between these pins of connector J250-B at the left AIMS cabinet and connector DB31211 at the P211 panel (WDM 31-41-12):

J250-B	DB31211
pin G3	pin 5
pin G4	pin 4
pin G1	pin 2
pin G2	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).

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- 2) Re-connect connector DB31211.
- 3) Re-install the IOM(M004) module in the left AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

821. BSCU No Input from AIMS-R on Systems 629 Bus-R - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-39608.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the brake system control unit (BSCU), M32017.

These are the tasks:

Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801,

Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B32213, in the P215 panel.

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the BSCU 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:

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.

NOTE: This coupler connects the left AIMS to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Do this check of the wiring from the BSCU to the coupler:
 - (a) Remove the BSCU, M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Disconnect connector DB32213 from the coupler, B32213.
 - (c) Do a continuity check between these pins of connector DM32017AB at the E6-2 shelf and connector DB32213 at the P215 panel (WDM 32-42-16):

DM32017AB	DB32213
pin 1TR	pin 1
pin 1T	pin 2
pin 2TR	pin 4
pin 2T	pin 5
- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect connector DB32213.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (e) Re-connect connector DB32213.
- (f) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (6) Do this check of the wiring from the right AIMS cabinet to the coupler:
 - (a) Remove the IOM(M004) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
 - (b) Disconnect connector DB31214 from the coupler, B31214.
 - (c) Do a continuity check between these pins of connector J250-B at the right AIMS cabinet and connector DB31214 at the P211 panel (WDM 31-41-12):

J250-B	DB31214
pin G3	pin 5
pin G4	pin 4
pin G1	pin 2
pin G2	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect connector DB31214.

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- 3) Re-install the IOM(M004) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

———— **END OF TASK** ————

822. Brake System Control Unit Power for Antiskid 1,5, and 9 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-30010.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 power wiring:
 - (a) Remove the brake system control unit, M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Do a check for 28V DC from pin B4 of connector DM32017AA to structure ground (WDM 32-42-11).
 - (c) If there is not 28V DC at pin B4 of DM32017AA, then do these steps:
 - 1) Open the P310 standby power management panel.
 - 2) Do a check for 28V DC at the load terminal of circuit breaker C32609.
 - 3) If there is not 28V DC at the load terminal, then do these steps (WDM 32-42-11):
 - a) Replace this circuit breaker:

Standby Power Management Panel, P310

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
H	1	C32609	LG ANTISKID 1,5,9/3,7,11 CB 1

- b) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 4) If there is 28V DC at the load terminal, then do these steps:
 - a) Repair the wiring between these pins of connector DM32017AA at the E6-2 shelf and the load terminal of circuit breaker C32609 (WDM 32-42-11):

DM32017AA	C32609
pin B4	pin 2

- b) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (d) If there is 28V DC at pin B4 of connector DM32017AA, then continue.
- (2) Install a new BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (a) 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. Brake System Control Unit Power for Antiskid 2,6, and 10 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-30020.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 power wiring:
 - (a) Remove the brake system control unit, M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Do a check for 28V DC from pin H4 of connector DM32017AC to structure ground (WDM 32-42-12).
 - (c) If there is not 28V DC at pin H4 of DM32017AC, then do these steps:
 - 1) Open the P110 left power management panel.
 - 2) Do a check for 28V DC at the load terminal of circuit breaker C32610.
 - 3) If there is not 28V DC at the load terminal, then do these steps:
 - a) Replace this circuit breaker:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	21	C32610	LG ANTISKID 2,6,10/4,8,12 CB 1

- b) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 4) If there is 28V DC at the load terminal, then do these steps:
 - a) Repair the wiring between these pins of connector DM32017AC at the E6-2 shelf and the load terminal of circuit breaker C32610 (WDM 32-42-12):

DM32017AC	C32610
pin H4	pin 2

- b) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.

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- c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- d) If there is 28V DC at pin H4 of connector DM32017AC, then continue.
- (2) Install a new BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - a) 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. Brake System Control Unit Power for Antiskid 3,7, and 11 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-30030.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 power wiring:
 - a) Remove the brake system control unit, M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - b) Do a check for 28V DC from pin B4 of connector DM32017AC to structure ground (WDM 32-42-13).
 - c) If there is not 28V DC at pin B4 of DM32017AC, then do these steps:
 - 1) Open the P210 right power management panel.
 - 2) Do a check for 28V DC at the load terminal of circuit breaker C32611.
 - 3) If there is not 28V DC at the load terminal, then do these steps:
 - a) Replace this circuit breaker, C32611 (WDM 32-42-13):

This is the circuit breaker:

Right Power Management Panel, P210

Row	Col	Number	Name
M	1	C32611	LG ANTISKID 1,5,9/3,7,11 CB 2

- b) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 4) If there is 28V DC at the load terminal, then do these steps:
 - a) Repair the wiring between these pins of connector DM32017AC at the E6-2 shelf and the load terminal of circuit breaker C32611 (WDM 32-42-13):

DM32017AC	C32611
pin B4	pin 2

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- b) Re-install the brake system control unit, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If there is 28V DC at pin B4 of connector DM32017AC, then continue.
- (2) Install a new BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (a) 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. Brake System Control Unit Power for Antiskid 4,8, and 12 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-30040.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 power wiring:
 - (a) Remove the brake system control unit, M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Do a check for 28V DC from pin B6 of connector DM32017AA to structure ground (WDM 32-42-14).
 - (c) If there is not 28V DC at pin B6 of DM32017AA, then do these steps:
 - 1) Open the P310 standby power management panel.
 - 2) Do a check for 28V DC at the load terminal of circuit breaker C32612.
 - 3) If there is not 28V DC at the load terminal, then do these steps (WDM 32-42-14):
 - a) Replace this circuit breaker:

Standby Power Management Panel, P310

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
H	2	C32612	LG ANTISKID 2,6,10/4,8,12 CB 2

- b) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 4) If there is 28V DC at the load terminal, then do these steps:
 - a) Repair the wiring between these pins of connector DM32017AA at the E6-2 shelf and the load terminal of circuit breaker C32612 (WDM 32-42-14):

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DM32017AA

pin B6 pin 2

C32612

- b) Re-install the brake system control unit, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If there is 28V DC at pin B6 of connector DM32017AA, then continue.
- (2) Install a new BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (a) 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. Thrust Lever Switch (L2) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-30440.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 thrust lever switch pack module:
 - (a) Disconnect connector D0115P from D0115J at the thrust lever switch pack module, M32060.
 - (b) Move the left thrust lever to the RETARDED position.
 - (c) Do a continuity check between pins 7 and 9 of connector D0115P (WDM 32-42-15).
 - (d) Move the left thrust lever to the ADVANCED position.
 - (e) Do a check for open circuit between pins 7 and 9 of connector D0115P (WDM 32-42-15).
 - (f) If you find a problem with the thrust lever switch pack module, then do these steps:
 - 1) Replace the thrust lever switch (L2) from the thrust lever switch pack module, M32060These are the tasks:
Switch Pack Removal, AMM TASK 76-11-11-000-804-H00,
Switch Pack Installation, AMM TASK 76-11-11-400-804-H00.
(WDM 32-42-15).
 - 2) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface Test.
 - a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (g) If you do not find a problem with the thrust lever switch pack module, then continue.

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- (2) Do this check of the wiring:
- (a) Remove the brake system control unit (BSCU), M32007. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Do a continuity check between these pins of connector DM32017AB at the E6-2 shelf and connector D0115J at the center aisle panel, P10 (WDM 32-42-15):

DM32017AB	D0115J
pin G2	pin 7
pin F4	pin 9
 - (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector D0115J.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 4) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface Test.
 - a) 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 problem with the wiring, then continue.
 - (e) Re-connect connector D0115J.
- (3) Install a new BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (a) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface Test.
 - 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** —————

827. Thrust Lever Switch (R1) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-30450.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 thrust lever switch pack module:
 - (a) Disconnect connector D0115P from D0115J at the thrust lever switch pack module, M32060.
 - (b) Move the right thrust lever to the RETARDED position.
 - (c) Do a continuity check between pins 11 and 12 of connector D0115P (WDM 32-42-15).
 - (d) Move the right thrust lever to the ADVANCED position.

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- (e) Do a check for open circuit between pins 11 and 12 of connector D0115P (WDM 32-42-15).
- (f) If you find a problem with the thrust lever switch pack module, then do these steps:
 - 1) Replace the thrust lever switch (R1) from the thrust lever switch pack module, M32060
These are the tasks:
Switch Pack Removal, AMM TASK 76-11-11-000-804-H00,
Switch Pack Installation, AMM TASK 76-11-11-400-804-H00.
(WDM 32-42-15).
 - 2) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface Test.
 - a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (g) If you do not find a problem with the thrust lever switch pack module, then continue.
- (2) Do this check of the wiring:
 - (a) Do a continuity check between pin 12 of connector D0115J at the center aisle panel, P10, and structure ground (WDM 32-42-15).
 - (b) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector D0115J.
 - 3) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface Test.
 - a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (c) If you do not find problem with the wiring, then continue.
 - (d) Remove the brake system control unit (BSCU), M32007. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (e) Do a continuity check between these pins of connector DM32017AB at the E6-2 shelf and connector D0115J at the center aisle panel, P10 (WDM 32-42-15):

DM32017AB	D0115J
pin J1	pin 11

- (f) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector D0115J.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 4) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface Test.
 - a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (g) If you do not find problem with the wiring, then continue.

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- (h) Re-connect connector D0115J.
- (3) Install a new BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (a) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface Test.
 - 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** —————

828. Thrust Lever Switch (R2) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-30460.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 thrust lever switch pack module:
 - (a) Disconnect connector D0115P from D0115J at the thrust lever switch pack module, M32060.
 - (b) Move the right thrust lever to the RETARDED position.
 - (c) Do a continuity check between pins 2 and 8 of connector D0115P (WDM 32-42-15).
 - (d) Move the right thrust lever to the ADVANCED position.
 - (e) Do a check for open circuit between pins 2 and 8 of connector D0115P (WDM 32-42-15).
 - (f) If you find a problem with the thrust lever switch pack module, then do these steps:
 - 1) Replace the thrust lever switch (R2) from the thrust lever switch pack module, M32060These are the tasks:
Switch Pack Removal, AMM TASK 76-11-11-000-804-H00,
Switch Pack Installation, AMM TASK 76-11-11-400-804-H00.
(WDM 32-42-15).
 - 2) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface Test.
 - a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (g) If you do not find a problem with the thrust lever switch pack module, then continue.
- (2) Do this check of the wiring:
 - (a) Remove the brake system control unit (BSCU), M32007. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Do a continuity check between these pins of connector DM32017AB at the E6-2 shelf and connector D0115J at the center aisle panel, P10 (WDM 32-42-15):

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DM32017AB

pin G2 pin 8
pin H4 pin 2

D0115J

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector D0115J.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 4) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface Test.
 - a) 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 problem with the wiring, then continue.
- (e) Re-connect connector D0115J.
- (3) Install a new BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - (a) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface Test.
 - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

829. BSCU to Systems 629 Bus-R Communication Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-38860, 32-39601.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the brake system control unit (BSCU), M32017.

These are the tasks:

Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801,

Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B32213, in the P215 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 BSCU to the Systems 629 Bus-R.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring from the BSCU to the coupler:
 - (a) Remove the BSCU, M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Disconnect connector DB32213 from the coupler, D32213.
 - (c) Do a continuity check between these pins of connector DM32017AB at the E6-2 shelf and connector DB32213 at the P215 panel (WDM 32-42-16):

DM32017AB

DB32213

pin 1TR	.....	pin 1
pin 1T	.....	pin 2
pin 2TR	.....	pin 4
pin 2T	.....	pin 5

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect connector DB32113.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 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** —————

830. Autobrake Solenoid Valve Command Response Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-30700.

B. Initial Evaluation

NOTE: This message can only occur when you do the Autobrake Application ground test on the MAT. It will occur if the ground test is failed. If the ground test is passed the maintenance message will not show on the ground test display.

C. Fault Isolation Procedure

- (1) Do this check of the wiring:
 - (a) Remove the brake system control unit (BSCU), M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Disconnect connector DM32018A from the autobrake valve module, M32018.
 - (c) Do a continuity check between these pin of connector DM32018A at the autobrake valve module, M32018, and connector DM32017AB at the E6-2 shelf (WDM 32-42-15):

DM32018A

DM32017AB

pin 1		pin E9

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- (d) Do a continuity check between pin 2 of connector DM32018A at the autobrake valve module, M32018, and structure ground (WDM 32-42-15).
- (e) If you find a problem with the wiring, do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DM32018A.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 4) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, Autobrake Application.
 - a) If the maintenance message does not show on the ground test display, you corrected the fault.
- (f) If you do not find a problem with the wiring, then continue.
- (g) Re-connect connector DM32018A.
- (2) Install a new BSCU, M32017.

These are the tasks:

Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801,
Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.

 - (a) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, Autobrake Application.
 - 1) If the maintenance message does not show on the ground test display, you corrected the fault.

————— END OF TASK —————

831. Tire Problems - Fault Isolation

A. Fault Isolation Procedure

- (1) Do this task: Tires Inspection, AMM TASK 32-45-04-700-801.

————— END OF TASK —————

832. EICAS Message AUTOBRAKE 1 (2, 3, 4, MAX, or RTO) - Fault Isolation

A. Initial Evaluation

NOTE: These messages show when you set the AUTOBRAKE switch to the 1, 2, 3, 4, MAX AUTO, or RTO position.

- (1) To put the antiskid/autobrake system back to the normal mode, set the AUTOBRAKE switch to OFF.

————— END OF TASK —————

833. BSCU Pin Program Disagree or Invalid - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-30701, 32-30702.

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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 the following check of the wiring:
 - (a) Remove the brake system control unit (BSCU), M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Make sure that the wiring for program pins A3, C3, E3, and G3 of connector DM32017AA and the program pins A5, C5, E5 and G5 of connector DM32017AB at the E6-2 shelf agree with the WDM 32-42-16.
 - (c) If you find a problem with the wiring, do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 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 BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (2) Replace the brake system control unit (BSCU), M32017, do these tasks: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801 and Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - (a) 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. BSCU Software Configuration Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-30703, 32-30704, 32-30705.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 configuration on the MAT: System Configuration, 32 Autobrake/Antiskid Control System.
- (2) If the BSCU ABC OPS are incorrect, then do the following.
 - (a) Do a complete data load for the BSCU ABC OPS, on both the Primary and Secondary Channels, with the correct OPS software. To do a complete data load, do this task: BSCU Software Installation, AMM TASK 32-42-01-470-801.

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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.
- (3) If the BSCU Antiskid OPS's are incorrect, then do the following.
 - (a) Do a complete data load for the BSCU Antiskid OPS, with the correct OPS software. To do a complete data load, do this task: BSCU Software Installation, AMM TASK 32-42-01-470-801.
NOTE: The Antiskid OPS only need to be data loaded from either the Primary or Secondary Channel.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message, or if the message does not show, you corrected the fault.
- (4) If BSCU OPC's are incorrect, do the following.
 - (a) Do a complete data load for the BSCU OPC, on both the Primary and Secondary Channels, with the correct OPC software. To do a complete data load, do this task: BSCU Software Installation, AMM TASK 32-42-01-470-801.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message, or if the message does not show, you corrected the fault.
- (5) If installing new software does not correct the problem, then replace the brake system control unit (BSCU), M32017 by doing the following tasks: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801 and Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801
 - (a) 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. Parking Brake Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-30370.

B. Initial Evaluation

NOTE: Maintenance message 32-30370 is generated by the brake system control unit (BSCU) when the input from the remote switch on the Parking Brake Valve (PBV), V32001, indicates NOT FULLY OPEN (open circuit at pin E15 of BSCU connector DM32017AB) and the input from the parking brake lever position switch indicates RELEASED (open circuit at pin K9 of BSCU connector DM32017AB). In addition, the ANTISKID advisory and status messages are generated only if this condition exists and the Right Hydraulic System is pressurized.

- (1) Make sure that the tires have chocks installed around them (AMM PAGEBLOCK 10-11-05/201).



KEEP PERSONNEL AND EQUIPMENT AWAY FROM THE FLIGHT CONTROL SURFACES AND THE LANDING GEAR. THESE COMPONENTS CAN MOVE SUDDENLY WHEN YOU SUPPLY HYDRAULIC POWER. THIS CAN CAUSE INJURIES TO PERSONNEL AND DAMAGE TO EQUIPMENT.

- (2) For the right hydraulic system, do this task: Main Hydraulic System Pressurization, AMM TASK 29-11-00-860-801.
- (3) Release the parking brake.
- (4) If the maintenance access terminal (MAT) shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (5) If the MAT shows INACTIVE for the maintenance message, then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface.
 - (a) If the MAT shows ACTIVE for maintenance message 32-30680 after the ground test, do this Fault Isolation task: Parking Brake Lever Switch Problems - Fault Isolation, 32-44 TASK 802.
 - (b) If the MAT shows ACTIVE for maintenance message 32-30690 after the ground test, do this Fault Isolation task: Parking Brake Valve Problems - Fault Isolation, 32-44 TASK 803.
 - (c) If the MAT does not show ACTIVE maintenance messages after the ground test, there was an intermittent fault.
- (2) For the right hydraulic system, do this task: Main Hydraulic System Power Removal, AMM TASK 29-11-00-860-808.

————— END OF TASK —————

802. Parking Brake Lever Switch Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-30680.

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B. Initial Evaluation

NOTE: This message can only occur when you do the System Interface ground test on the maintenance access terminal (MAT). It will occur if the ground test fails. If the ground test passes, the maintenance message will not show on the ground test display at the end of the test.

- (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: 32 Antiskid/Autobrake Control System, System Test, System 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) Do this check of the parking brake lever switch:
 - (a) Disconnect connector D4101P from D4101J at the parking brake latch switch, S32009.
 - (b) Set the parking brake.
 - (c) Do a continuity check between pins 5 and 6 of connector D4101P (WDM 32-41-11).
 - (d) Release the parking brake.
 - (e) Do a check for open circuit between pins 5 and 6 of connector D4101P (WDM 32-41-11).
 - (f) If you find a problem with the wiring, then do these steps:
 - 1) Replace the parking brake latch switch, S32009.
These are the tasks:
Parking Brake Latch Switch Assembly Removal, AMM TASK 32-44-08-000-801,
Parking Brake Latch Switch Installation, AMM TASK 32-44-08-400-801.
- (g) If you do not find a problem with the wiring, then continue.
- (2) Do this check of the wiring:
 - (a) Remove the brake system control unit (BSCU), M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Do a wiring check between these pins of connector D4101J at the parking brake latch switch, S32009, and connector DM32017AB at the E6-2 shelf (WDM 32-41-11):

D4101J	DM32017AB
pin 6	pin K9
 - (c) Do a continuity check between pin 5 of connector D4101J at the parking brake latch switch and structure ground (WDM 32-41-11).
 - (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.

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- 2) Re-connect connector D4101J.
- 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- 4) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface.
 - a) If the maintenance message does not show on the ground test display, you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (3) Install a new BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - (a) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface.
 - 1) If the maintenance message does not show on the ground test display, you corrected the fault.

END OF TASK

803. Parking Brake Valve Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-30690.

B. Initial Evaluation

NOTE: This message can only occur when you do the System Interface ground test on the MAT. It will occur if the ground test is failed. If the ground test is passed the maintenance message will not show on the ground test display.

C. Fault Isolation Procedure

- (1) Do this check of the parking brake indication:
 - (a) Set the parking brake.
 - (b) If the PARKING BRAKE SET memo does not show on the EICAS, then do these steps:
 - 1) Open the P11 overhead circuit breaker panel.
 - 2) Do a check for 28V DC at the load terminal of circuit breaker C32615.
 - 3) If there is not 28V DC at the circuit breaker, then do these steps (WDM 32-44-11):
 - a) Replace this circuit breaker:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	22	C32615	LDG GEAR PARKING BRAKE VALVE

- c) If the maintenance message does not show on the ground test display, you corrected the fault.
 - 4) If there is 28V DC at the circuit breaker, then continue.
 - 5) Disconnect connector DV32001 from the parking brake valve, V32001.
 - 6) Do a continuity check between pin 1 of connector DV32001 and structure ground (WDM 32-44-11).

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- 7) If you find a problem with the wiring, then do these steps:
 - a) Repair the wiring.
 - b) Re-connect connector DV32001.
 - c) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface.
 - d) If the maintenance message does not show on the ground test display, you corrected the fault.
 - 8) If you do not find a problem with the wiring, then continue.
 - 9) Do a check for 28V DC between pin 5 of connector DV32001 and structure ground (WDM 32-44-11).
 - 10) Release the parking brake.
 - 11) Do a check for 28V DC between pin 6 of connector DV32001 and structure ground (WDM 32-44-11).
 - 12) If there is not 28V DC at pin 5 or 6 of connector DV32001, then do these steps (WDM 32-44-11):
 - a) Repair the wiring between these pins of connector DV32001 at the parking brake valve, V32001, and the load terminal of circuit breaker C32615 (WDM 32-44-11):

DV32001	C32615
pin 5	term 2
pin 6	term 2
 - b) Re-connect connector DV32001.
 - c) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface.
 - d) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (c) If the PARKING BRAKE SET memo shows on the EICAS, then continue.
- (2) Do this check of the BSCU advisory indication:
- (a) Open this circuit breaker:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	22	C32615	LDG GEAR PARKING BRAKE VALVE
 - (b) Release the parking brake.
 - (c) If the ANTISKID advisory does not show on the EICAS, then do these steps:
 - 1) Make sure the manual override lever on the parking brake valve is in the CLOSED position
 - 2) Disconnect connector DV32001 from the parking brake valve, V32001.
 - 3) Do a check for open circuit between pins 8 and 9 of connector on the parking brake valve, V32001.
 - 4) If there is no open circuit between pins 8 and 9, then do these steps:
 - a) Replace the parking brake valve, V32001.

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These are the tasks:

Parking Brake Valve Removal, AMM TASK 32-44-04-000-801,
Parking Brake Valve Installation, AMM TASK 32-44-04-400-801.

- b) Close this circuit breaker:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	22	C32615	LDG GEAR PARKING BRAKE VALVE

- c) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface.
- d) If the maintenance message does not show on the ground test display, you corrected the fault.
- 5) If there is an open circuit between pins 8 and 9, then continue.
- 6) Open these circuit breakers:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	20	C32613	LG AUTOBRAKE/BITE/R-COMM CB 1
M	23	C32621	LG BRAKE CONTROL-BITE/L-COMM

Right Power Management Panel, P210

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
N	1	C32614	LG AUTOBRAKE/BITE/R-COMM CB 2

- 7) Do a check for open circuit between pin 8 of connector DV32001 and structure ground (WDM 32-44-11).
- 8) If you do not find a problem with the wiring, then do these steps:
- a) Replace the brake system control unit (BSCU), M32017.

These are the tasks:

Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801,
Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.

- b) Re-connect connector DV32001.
- c) Close these circuit breakers:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	20	C32613	LG AUTOBRAKE/BITE/R-COMM CB 1
M	23	C32621	LG BRAKE CONTROL-BITE/L-COMM

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	22	C32615	LDG GEAR PARKING BRAKE VALVE

Right Power Management Panel, P210

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
N	1	C32614	LG AUTOBRAKE/BITE/R-COMM CB 2

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- d) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface.
 - e) If the maintenance message does not show on the ground test display, you corrected the fault.
- 9) If you find a problem with the wiring, then do these steps:
- a) Repair the wiring between these pins of connector DV32001 at the parking brake valve, V32001, and connector DM32017A at the E6-2 shelf (WDM 32-44-11):

DV32001	DM32017A
pin 8	pin E15

- b) Re-connect connector DV32001.
- c) Close these circuit breakers:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	20	C32613	LG AUTOBRAKE/BITE/R-COMM CB 1
M	23	C32621	LG BRAKE CONTROL-BITE/L-COMM

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	22	C32615	LDG GEAR PARKING BRAKE VALVE

Right Power Management Panel, P210

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
N	1	C32614	LG AUTOBRAKE/BITE/R-COMM CB 2

- d) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface.
 - e) If the maintenance message does not show on the ground test display, you corrected the fault.
- (d) If the ANTISKID advisory shows on the EICAS, then continue.
- (3) Do this check of the BSCU:
- (a) Close these circuit breakers:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	20	C32613	LG AUTOBRAKE/BITE/R-COMM CB 1
M	23	C32621	LG BRAKE CONTROL-BITE/L-COMM

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	22	C32615	LDG GEAR PARKING BRAKE VALVE

Right Power Management Panel, P210

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
N	1	C32614	LG AUTOBRAKE/BITE/R-COMM CB 2

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- (b) If the ANTISKID advisory does not show on the EICAS after 5 seconds, then do these steps:
 - 1) Replace the BSCU, M32017.
These are the tasks:
Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801,
Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 2) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface.
 - 3) If the maintenance message does not show on the ground test display, you corrected the fault.
- (c) If the ANTISKID advisory shows after 5 seconds, then continue.
- (4) Do this check of the BSCU wiring:
 - (a) Remove the BSCU, M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Do a continuity check between pin E15 of connector on the BSCU, M32017, and structure ground.
 - (c) If you do not find a problem with the wiring, then do these steps:
 - 1) Install a new BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 2) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface.
 - a) If the maintenance message does not show on the ground test display, you corrected the fault.
 - (d) If you find a problem with the wiring, then continue.
- (5) Do this check of the parking brake valve wiring:
 - (a) Disconnect connector DV32001 from the parking brake valve, V32001.
 - (b) Do a continuity check between pins 8 and 9 of connector on the parking brake valve.
 - (c) If you find a problem with the wiring, then do these steps:
 - 1) Replace the parking brake valve, V32001.
These are the tasks:
Parking Brake Valve Removal, AMM TASK 32-44-04-000-801,
Parking Brake Valve Installation, AMM TASK 32-44-04-400-801.
 - 2) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 3) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface.
 - a) 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 continue.
- (6) Do this wiring check between the BSCU and the parking brake valve:
 - (a) Do a continuity check between pin 9 of connector DV32001 and structure ground (WDM 32-44-11).

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- (b) Do a wiring check between these pins of connector DV32001 at the parking brake valve, V32001, and connector DM32017A at the E6-2 shelf (WDM 32-44-11):

DV32001	DM32017A
pin 8	pin E15

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect connector DV32001.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
 - 4) Do this ground test on the MAT: 32 Antiskid/Autobrake Control System, System Test, System Interface.
 - a) If the maintenance message does not show on the ground test display, you corrected the fault.

————— **END OF TASK** —————

804. Parking Brake Lever Problems - Fault Isolation

A. **Fault Isolation Procedure**

- (1) Do this task: Parking Brake System Adjustment, AMM TASK 32-44-00-820-801.
 - (a) If the parking brake lever operates, you corrected the fault.
 - (b) If the parking brake lever does not operate, then continue.
- (2) Replace the parking brake lever, S32009.

These are the tasks:

Parking Brake Lever Removal, AMM TASK 32-44-01-000-801,
Parking Brake Lever Installation, AMM TASK 32-44-01-400-801.

 - (a) If the parking brake lever operates, you corrected the fault.
 - (b) If the parking brake lever does not operate, then continue.
- (3) Replace the parking brake latch mechanism.

These are the tasks:

Parking Brake Latch Mechanism Removal, AMM TASK 32-44-02-000-801,
Parking Brake Latch Mechanism Installation, AMM TASK 32-44-02-400-801.

 - (a) If the parking brake lever operates, you corrected the fault.

————— **END OF TASK** —————

805. EICAS Message PARKING BRAKE SET - Fault Isolation

A. **Initial Evaluation**

NOTE: This message show when you set the parking brake.

- (1) To put the parking brake system back to the normal mode, push the PARKING BRAKE lever down.

————— **END OF TASK** —————

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806. Eicas Message PARKING BRAKE SET Does Not Show - Fault Isolation

A. Fault Isolation Procedure

- (1) Do this task: Parking Brake System Adjustment, AMM TASK 32-44-00-820-801.
 - (a) If the EICAS message PARKING BRAKE SET shows when you set the parking brake, you corrected the fault.
 - (b) If the EICAS message PARKING BRAKE SET does not show when you set the parking brake, then continue.
- (2) Check the wiring to the parking brake latch switch, S32008.



CAUTION

DURING THE CONTINUITY CHECK IT IS RECOMMENDED THAT THE PARKING BRAKE LEVER IS CYCLED. THIS WILL ASSIST YOU AND GETTING THE PROPER READING OF THE PARKING BRAKE LATCH SWITCH, S32008.

- (a) Remove the filler plugs from the backside of connector D4101J at pins 9 and 12.
 - 1) Install test leads and check for continuity at connector D4101J between pins 9 to ground and 12 to ground:
 - a) If there is continuity between pins 9 to ground and 12 to ground with the parking brake lever SET, then the parking brake lever switch S32008 is good.
 - b) If there is no continuity between pins 9 to ground and 12 to ground with the parking brake lever SET, then the parking brake lever switch S32008 is defective and needs to be replaced

These are the tasks:

Parking Brake Latch Switch Assembly Removal, AMM TASK 32-44-08-000-801,

Parking Brake Latch Switch Installation, AMM TASK 32-44-08-400-801.
 - 2) Restore connector D4101J by removing the test leads and reinstalling the filler plugs back in pins holes 9 and 12.
 - (b) If the EICAS message PARKING BRAKE SET shows when you set the parking brake, you corrected the fault.
 - (c) If the EICAS message PARKING BRAKE SET does not show when you set the parking brake, then continue.
- (3) Replace the parking brake latch switch, S32009.

These are the tasks:

Parking Brake Latch Switch Assembly Removal, AMM TASK 32-44-08-000-801,

Parking Brake Latch Switch Installation, AMM TASK 32-44-08-400-801.
- (a) If the EICAS message PARKING BRAKE SET shows when you set the parking brake, you corrected the fault.
- (b) If the EICAS message PARKING BRAKE SET does not show when you set the parking brake, then continue.
- (4) Check the wiring of the parking brake valve, V32001.
 - (a) Remove the brake system control unit (BSCU), M32017. To remove it, do this task: Brake System Control Unit (BSCU) Removal, AMM TASK 32-42-01-000-801.
 - (b) Disconnect the connector, DV32001, from the parking brake valve, V32001.

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- (c) Do a wiring check between these pins of connector DM32017AB at the E6-2 shelf and connector DV32001 at the parking brake valve, V32001 (WDM 32-44-11):

DM32017AB	DV32001
pin E15	pin 8

- (d) If you find a problem with the wiring, do these steps:
- 1) Repair the wiring.
 - 2) Re-Connect connector, DV32001.
 - 3) Re-install the BSCU, M32017. To install it, do this task: Brake System Control Unit (BSCU) Installation, AMM TASK 32-42-01-400-801.
- (e) If the EICAS message PARKING BRAKE SET shows when you set the parking brake, you corrected the fault.
- (f) If the EICAS message PARKING BRAKE SET does not show when you set the parking brake, then continue.
- (5) Replace the parking brake valve, V32001.
- These are the tasks:
- Parking Brake Valve Removal, AMM TASK 32-44-04-000-801,
Parking Brake Valve Installation, AMM TASK 32-44-04-400-801.
- (a) If the EICAS message PARKING BRAKE SET shows when you set the parking brake, you corrected the fault.

———— **END OF TASK** ————

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801. Tire Problems - Fault Isolation

A. Fault Isolation Procedure

- (1) If the tire is burst or flat spotted, do this task: Tire Burst Conditional Inspection, AMM TASK 05-51-16-210-801.
- (2) Do this task: Tires Inspection, AMM TASK 32-45-04-700-801.

———— **END OF TASK** ————

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801. Brake Temperature Compensation Module (Left) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-42010.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the following:
 - (a) Clean the left brake temperature compensation module connector and then check the MAT again for the maintenance message.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message or if the message does not show, you corrected the fault.
 - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Replace the left brake temperature compensation module, M32123.

These are the tasks:

Brake Temperature Compensation Module Removal, AMM TASK 32-46-02-000-801,

Brake Temperature Compensation Module Installation, AMM TASK 32-46-02-400-801.

- (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:

NOTE: If the Brake Temperature Compensation Module and applicable Brake Temperature Sensor faults stay active on the MAT, do a check of the common wire. Verify that the common wire is not open.

 - (a) Remove the tire and brake monitor unit (TBMU), M32490. To remove it, do this task: Tire and Brake Monitoring Unit (TBMU) Removal, AMM TASK 32-49-04-000-801 .
 - (b) Disconnect TBMU connector connector DM32490 and BTCM connector DM32123B (connector DM32123A must be connected).
 - (c) Do a wiring check between the pins of TBMU connector DM32490AC at the E6-3 shelf and BTCM connector DM32123B at the left brake temperature compensation module, M32123 (WDM 32-46-11) and verify continuity:

TBMU		BTCM
DM32490AC		DM32123B
pin A4	.....	pin 2
pin A4	.....	pin 4
pin A4	.....	pin 6
pin B4	.....	pin 8
pin B4	.....	pin 10
pin B4	.....	pin 12

- (d) If discontinuity is discovered, disconnect BTCM connector DM32123A and verify the continuity between BTCM connector DM32123A and BTCM connector DM32123B.

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BTCM		BTCM	
DM32123A		DM32123B	
pin 1		pin 2	
pin 1		pin 4	
pin 1		pin 6	
pin 9		pin 8	
pin 9		pin 10	
pin 9	.....	pin 12	

- (e) If there is still discontinuity, replace the BTCM.
- (f) Reconnect the BTCM connectors.
- (g) Measure the resistance between the pins in the TBMU connector DM32490AC.

TBMU		TBMU	
DM32490AC		DM32490AC	
A4	.....	A1	
A4	.....	A2	
A4	.....	A3	
B4	.....	B1	
B4	.....	B2	
B4	.....	B3	

- (h) If the resistance is not between 5,000 ohms and 5,200 ohms, disconnect BTCM connector DM30123A and BTCM connector DM32123B.
- (i) Measure the resistance between the following pins on BTCM connector DM32123B:

BTCM		BTCM	
DM32123B		DM32123B	
pin 1	.....	pin 2	
pin 3	.....	pin 4	
pin 5	.....	pin 6	
pin 7	.....	pin 8	
pin 9	.....	pin 10	
pin 11	.....	pin 12	

- (j) If the resistance is not between 5,000 ohms and 5,200 ohms, replace the BTCM.

————— **END OF TASK** —————

802. Brake Temperature Sensor (Left) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-43010, 32-43020, 32-43050, 32-43060, 32-43090, 32-43100.

B. Description

- (1) This task is for these Maintenance Messages:
 - (a) 32-43010: Brake Temperature Sensor 1 circuit is open.
 - (b) 32-43020: Brake Temperature Sensor 2 circuit is open.

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- (c) 32-43050: Brake Temperature Sensor 5 circuit is open.
- (d) 32-43060: Brake Temperature Sensor 6 circuit is open.
- (e) 32-43090: Brake Temperature Sensor 9 circuit is open.
- (f) 32-430100: Brake Temperature Sensor 10 circuit is open.

C. Possible Causes

- (1) Brake Temperature Sensor 1 (2, 5, 6, 9, 10), M32131 (M32132, M32135, M32136, M32139, M32140)
- (2) Wiring

D. 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>
N	28	C32618	LG BRAKE TEMP MONITOR

E. Related Data

- (1) WDM 32-46-11
- (2) SWPM 20-60-01

F. Initial Evaluation

- (1) If the Maintenance Access Terminal (MAT) shows ACTIVE for the Maintenance Message, then do the Fault Isolation Procedure.
- (2) If the MAT shows NOT ACTIVE for the Maintenance Message, then there was an intermittent problem.

G. Fault Isolation Procedure

- (1) Examine and clean the applicable Brake Temperature Sensor Connector, and Connectors DM32123A, DM32123B, DM32035AA (SWPM 20-60-01).
 - (a) Do the Repair Confirmation at the end of this task.
- (2) Disconnect the Connector from the applicable Brake Temperature Control Sensor and do a Resistance check on the Sensor as follows:

BRAKE TEMP SENSOR 1

M32131	M32131	RESISTANCE
Receptacle	Receptacle	
pin 1	pin 3	4-5 Ohms

BRAKE TEMP SENSOR 2

M32132	M32132	RESISTANCE
Receptacle	Receptacle	
pin 1	pin 3	4-5 Ohms

BRAKE TEMP SENSOR 5

M32135	M32135	RESISTANCE
Receptacle	Receptacle	
pin 1	pin 3	4-5 Ohms

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BRAKE TEMP SENSOR 6

M32136	M32136	RESISTANCE
Receptacle	Receptacle	
pin 1	pin 3	4-5 Ohms

BRAKE TEMP SENSOR 9

M32139	M32139	RESISTANCE
Receptacle	Receptacle	
pin 1	pin 3	4-5 Ohms

BRAKE TEMP SENSOR 10

M32140	M32140	RESISTANCE
Receptacle	Receptacle	
pin 1	pin 3	4-5 Ohms

- (a) If the Resistance is not in the specified range, replace the applicable Brake Temperature Sensor. These are the tasks:
- Brake Temperature Sensor Removal, AMM TASK 32-46-03-000-801
 - Brake Temperature Sensor Installation, AMM TASK 32-46-03-400-801
 - 1) Do the Repair Conformation at the end of this task.
- (b) If the Resistance is in the specified range, continue.
- (3) Disconnect Connector DM32123B from the Left Brake Temperature Compensation Module, M32123.
- (4) Examine the Wiring between the Left Brake Compensation Module Connector DM32123B and the applicable Brake Temperature Sensor Connector as follows (WDM 32-46-11):

Left Main Landing Gear Wheel

BRK TEMP COMP MOD	SENSOR 1
DM32123B	DM32131
pin 1	pin 1
pin 2	pin 3

BRK TEMP COMP MOD	SENSOR 2
DM32123B	DM32132
pin 7	pin 1
pin 8	pin 3

BRK TEMP COMP MOD	SENSOR 5
DM32123B	DM32135
pin 3	pin 1
pin 4	pin 3

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BRK TEMP	
COMP MOD	SENSOR 6
DM32123B	DM32136
pin 9	pin 1
pin 10	pin 3

BRK TEMP	
COMP MOD	SENSOR 9
DM32123B	DM32139
pin 5	pin 1
pin 6	pin 3

BRK TEMP	
COMP MOD	SENSOR 10
DM32123B	DM32140
pin 11	pin 1
pin 12	pin 3

- (a) If you find a problem with the Wiring, then do these steps:
 - 1) Repair the wiring as necessary (SWPM 20-10-13).
 - 2) Connect the Connector to the applicable Brake Temperature Sensor.
 - 3) Connect Connector DM32123B to the Left Brake Temperature Module.
 - 4) Do the Repair Confirmation at the end of this task.
- (b) If you do not find a problem with the Wiring, Connect the Connectors you disconnected above and continue.
- (5) Do this check of the Wiring (WDM 32-46-11):
 - (a) Disconnect Connector DM32123A from the Left Brake Temperature Module, M32123.
 - (b) Disconnect Connector DM32490AB from the Tire and Brake Monitoring Unit (TBMU), M32490.
 - (c) Disconnect Connector DM32490AC from the TBMU, M32490.
 - (d) Examine the Wiring between the Left Brake Temperature Module and the TBMU as follows:

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Left Main Landing Gear

BRAKE TEMP COMP MODULE DM32123A	TIRE and BRAKE MONITOR UNIT DM32490AB
6	A4
7	B4
14	A5
15	B5

DM32123A	DM32490AC
1	A4
2	A1
3	A2
4	A3
9	B4
10	B1
11	B2
12	B3

- (e) If you find a problem with the Wiring, then do these steps:
- 1) Repair the Wiring as necessary (SWPM 20-10-13).
 - 2) Connect Connector DM32123A to the Left Brake Temperature Module, M32123.
 - 3) Connect Connector DM32490AB to the TBMU, M32490.
 - 4) Connect Connector DM32490AC to the TBMU, M32490.
 - 5) Do the Repair Confirmation at the end of this task.

H. Repair Confirmation

- (1) If the MAT shows NOT ACTIVE for the Maintenance Message, then you corrected the problem.
- (2) If the MAT shows ACTIVE for the Maintenance Message, then continue the Fault Isolation Procedure at the subsequent step.

————— **END OF TASK** —————

803. Brake Temperature Channel No Output on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-48840.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the following:
 - (a) Clean the brake temperature sensor wire harness connector and then check the MAT again for the maintenance message.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message or if the message does not show, you corrected the fault.
 - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) 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) Open the circuit breaker C32618, and then close it.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check for 28 VDC at the load terminal of circuit breaker C32618 WDM 32-46-11.
 - (a) If there is not 28 VDC at the circuit breaker, then do these steps:
 - 1) Replace the circuit breaker:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
N	28	C32618	LG BRAKE TEMP MONITOR

- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
 - (c) If there is 28 VDC at the circuit breaker, then do this step:
 - 1) Verify that there is 28 VDC at pin D9 of connector DM32490AC.
- (3) Replace the tire and brake monitor unit (TBMU), M32490 .

These are the tasks:

Tire and Brake Monitoring Unit (TBMU) Removal, AMM TASK 32-49-04-000-801,

Tire and Brake Monitoring Unit (TBMU) Installation, AMM TASK 32-49-04-400-801.

 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if 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, B32114, in the P115 panel .

These are the tasks:

ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,

ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.

NOTE: This coupler connects the TBMU 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 a check of the wiring from the TBMU to the coupler:
 - (a) Remove the TBMU, M32490 Tire and Brake Monitoring Unit (TBMU) Removal, AMM TASK 32-49-04-000-801.
 - (b) Disconnect connector DB32114 from the coupler, B32114.
 - (c) Do a wiring check between these pins of connector DM32490AB at the E6-3 shelf and connector DB32114 at the P115 panel (WDM 32-49-13):

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DM32490AB	DB32114
pin 1TR	pin 1
pin 1T	pin 2
pin 2TR	pin 4
pin 2T	pin 5

- (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 DB32114.
 - 3) Re-install the TBMU, M32490 Tire and Brake Monitoring Unit (TBMU) Installation, AMM TASK 32-49-04-400-801.
 - 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. Brake Temperature Channel Program Pin Configuration Invalid - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-43197.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the following:
- (a) Clean the brake temperature sensor wire harness connector and then check the MAT again for the maintenance message.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message or if the message does not show, you corrected the fault.
 - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Do a check of the status of the Brake Temperature Program pins on the MAT. Verify that the status of the pins is in agreement with the valid Brake Temperature Program pins in the table below.

Table 201/32-46-00-993-804 Brake Temperature Pin Programming

System Functionality	Pin (1) Configuration	Pin (2) Configuration	Pin (3) Configuration
Brake Temp Monitoring Enabled with "BRAKE TEMP" EICAS message turn off threshold set at 3.0	0	0	0
Brake Temp Monitoring Enabled with "BRAKE TEMP" EICAS message turn off threshold set at 3.5	0	0	1
Brake Temp Monitoring Function Disabled	0	1	0
Future Configuration (Invalid)	0	1	1
Future Configuration (Invalid)	1	0	0
Future Configuration (Invalid)	1	0	1

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Table 201/32-46-00-993-804 Brake Temperature Pin Programming (Continued)

Future Configuration (Invalid)	1	1	0
Future Configuration (Invalid)	1	1	1

NOTE: 0=Open, 1=Ground;

Note 1: 0= Open, 1= Ground

Note 2: ** These will appear as 3.0 and 3.5 on the synoptic and maintenance pages.

(a) If the program pins are invalid, power cycle the tire and brake monitoring unit and place the pins in a valid configuration.

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

814. Brake Temperature Channel Program Pin Disagree - Fault Isolation

A. Maintenance Messages

(1) This task is for maintenance message: 32-43194.

B. Initial Evaluation

(1) If the MAT shows ACTIVE for the maintenance message, then do the following:

(a) Clean the brake temperature sensor wire harness connector and then check the MAT again for the maintenance message.

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

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

(2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

C. Fault Isolation Procedure

(1) Do a check of the status of the Brake Temperature Program pins on the MAT. Verify that the status pins are in agreement with the valid Brake Temperature Program pins in the table below.

NOTE: The MAT will show Program Pins Set A (XXX) and Set B (XXX). Set A and Set B must match each other

Table 202/32-46-00-993-803 Brake Temperature Pin Programming

System Functionality	Pin (1) Configuration	Pin (2) Configuration	Pin (3) Configuration
Brake Temp Monitoring Enabled with "BRAKE TEMP" EICAS message turn off threshold set at 3.0	0	0	0
Brake Temp Monitoring Enabled with "BRAKE TEMP" EICAS message turn-off threshold set at 3.5	0	0	1
Brake Temp Monitoring Function Disabled	0	1	0
Future Configuration (Invalid)	0	1	1
Future Configuration (Invalid)	1	0	0
Future Configuration (Invalid)	1	0	1

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Table 202/32-46-00-993-803 Brake Temperature Pin Programming (Continued)

Future Configuration (Invalid)	1	1	0
Future Configuration (Invalid)	1	1	1

NOTE: 0=Open, 1=Ground;

- (a) Determine the present pin configuration.
If the MAT shows a pin in the wrong configuration, ground the pin. WDM 32-46-11
Do a check of continuity between the Program pins and the structure ground.
- (b) If there is continuity and the MAT shows ACTIVE for the maintenance message after power cycle of the Tire Brake Monitoring Unit, TBMU, continue.
 - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (2) Replace the tire and brake monitor unit (TBMU), M32490 .
These are the tasks:
Tire and Brake Monitoring Unit (TBMU) Removal, AMM TASK 32-49-04-000-801,
Tire and Brake Monitoring Unit (TBMU) Installation, AMM TASK 32-49-04-400-801.
 - (a) 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. Brake Temperature Compensation Module (Right) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-42020.

B. Initial Evaluation

NOTE: If the Brake Temperature Compensation Module and applicable Brake Temperature Sensor faults stay active on the MAT, do a check of the common wire. Verify that the common wire is not open.

- (1) If the MAT shows ACTIVE for the maintenance message, then do the following:
 - (a) Clean the right brake temperature compensation module connector and then check the MAT again for the maintenance message.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message or if the message does not show, you corrected the fault.
 - (c) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Replace the right brake temperature compensation module, M32223.
These are the tasks:
Brake Temperature Compensation Module Removal, AMM TASK 32-46-02-000-801,
Brake Temperature Compensation Module Installation, AMM TASK 32-46-02-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring:
- (a) Remove the tire and brake monitor unit (TBMU), M32490. To remove it, do this task: Tire and Brake Monitoring Unit (TBMU) Removal, AMM TASK 32-49-04-000-801.
- (b) Disconnect connector DM32123A from the right brake temperature compensation module (BTCM (R)).
- (c) Do a wiring check between the TBMU pins of connectors DM32490AB and DM32490AC at the E6-3 shelf and connector DM32123A at the right brake temperature compensation module, M32123WDM 32-46-12:

TBMU DM32490AB	BTCM(R) DM32123A
pin A6	pin 6
pin B6	pin 7
pin A7	pin 14
pin B7	pin 15

TBMU DM32490AC	BTCM(R) DM32123A
pin C1	pin 2
pin C2	pin 3
pin C3	pin 4
pin C4	pin 1
pin D1	pin 10
pin D2	pin 11
pin D3	pin 12
pin D4	pin 9

- (d) If there is still discontinuity, replace the BTCM.
- (e) Reconnect the BTCM connectors.
- (f) Measure the resistance between the pins in the TBMU connector DM32490AC.

TBMU DM32490AC	TBMU DM32490AC
pin C4	pin C1
pin C4	pin C2
pin C4	pin C3
pin D4	pin D1
pin D4	pin D2
pin D4	pin D3

- (g) If the resistance is not between 5,000 ohms and 5,200 ohms, disconnect BTCM connector DM32123A and BTCM connector DM32123B.
- (h) Measure the resistance between the following pins on BTCM connector DM32123B.

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BTCM		BTCM	
DM32123B		DM32123B	
pin 1		pin 2	
pin 3		pin 4	
pin 5		pin 6	
pin 7		pin 8	
pin 9		pin 10	
pin 11	.....	pin 12	

- (i) If the resistance is not between 5,000 ohms and 5,200 ohms, replace the BTCM.
- (j) If you find a problem with the wiring, do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DM32123A.
 - 3) Re-install the tire and brake monitor unit, M32490. To install it, do this task: Tire and Brake Monitoring Unit (TBMU) Installation, AMM TASK 32-49-04-400-801.
 - 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. Brake Temperature Sensor (Right) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-43030, 32-43040, 32-43070, 32-43080, 32-43110, 32-43120.

B. Description

- (1) This task is for these Maintenance Messages:
 - (a) 32-43030: Brake Temperature Sensor 3 circuit is open.
 - (b) 32-43040: Brake Temperature Sensor 4 circuit is open.
 - (c) 32-43070: Brake Temperature Sensor 7 circuit is open.
 - (d) 32-43080: Brake Temperature Sensor 8 circuit is open.
 - (e) 32-43110: Brake Temperature Sensor 11 circuit is open.
 - (f) 32-43120: Brake Temperature Sensor 12 circuit is open.

C. Possible Causes

- (1) Brake Temperature Sensor 3 (4, 7, 8, 11, 12) (M32233, M32234, M32237, M32238, M32241, M2242)
- (2) Wiring

D. 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>
N	28	C32618	LG BRAKE TEMP MONITOR

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E. Related Data

- (1) WDM 32-46-12
- (2) SWPM 20-60-01

F. Initial Evaluation

- (1) If the MAT shows ACTIVE for the Maintenance Message, then do the Fault Isolation Procedure.
- (2) If the MAT shows NOT ACTIVE for the Maintenance Message, then there was an intermittent problem.

G. Fault Isolation Procedure

- (1) Examine and clean the applicable Brake Temperature Sensor Connector, and Connectors DM32223A, DM32223B, DM32035AB (SWPM 20-60-01).
 - (a) Do the Repair Confirmation at the end of this task.
- (2) Disconnect the Connector from the applicable Brake Temperature Control Sensor and do a Resistance check on the Sensor as follows:

BRAKE TEMP SENSOR 3

M32233	M32233	
Receptacle	Receptacle	Resistance
pin 1	pin 3	4-5 Ohms

BRAKE TEMP SENSOR 4

M32234	M32234	
Receptacle	Receptacle	Resistance
pin 1	pin 3	4-5 Ohms

BRAKE TEMP SENSOR 7

M32237	M32237	
Receptacle	Receptacle	Resistance
pin 1	pin 3	4-5 Ohms

BRAKE TEMP SENSOR 8

M32238	M32238	
Receptacle	Receptacle	Resistance
pin 1	pin 3	4-5 Ohms

BRAKE TEMP SENSOR 11

M32241	M32241	
Receptacle	Receptacle	Resistance
pin 1	pin 3	4-5 Ohms

BRAKE TEMP SENSOR 12

M32242	M32242	
Receptacle	Receptacle	Resistance
pin 1	pin 3	4-5 Ohms

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- (a) If the Resistance is not in the specified range, replace the applicable Brake Temperature Sensor. These are the tasks:
- Brake Temperature Sensor Removal, AMM TASK 32-46-03-000-801
 - Brake Temperature Sensor Installation, AMM TASK 32-46-03-400-801
- 1) Do the Repair Confirmation at the end of this task.
- (b) If the Resistance is in the specified range, continue.
- (3) Disconnect Connector DM32223B from the Right Brake Temperature Compensation Module, M32223
- (4) Examine the Wiring between the Right Brake Compensation Module Connector DM32223B and the applicable Brake Temperature Sensor Connector as follows (WDM 32-46-12):

Right Main Landing Gear Wheel

BRK TEMP	
COMP MOD	SENSOR 3
DM32223B	DM32131
1	1
2	3

Right Main Landing Gear

BRK TEMP	
COMP MOD	SENSOR 4
DM32223B	DM32132
7	1
8	3

Right Main Landing Gear Wheel

BRK TEMP	
COMP MOD	SENSOR 7
DM32123B	DM32135
3	1
4	3

Right Main Landing Gear Wheel

BRK TEMP	
COMP MOD	SENSOR 8
DM32223B	DM32136
9	1
10	3

Right Main Landing Gear Wheel

BRK TEMP	
COMP MOD	SENSOR 11
DM32223B	DM32139
5	1
6	3

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Right Main Landing Gear Wheel

BRK TEMP COMP MOD	SENSOR 12
DM32223B	DM32140
11	1
12	3

- (a) If you find a problem with the Wiring, then do these steps:
 - 1) Repair the wiring as necessary (SWPM 20-10-13).
 - 2) Connect the Connector to the applicable Brake Temperature Sensor.
 - 3) Connect Connector DM32223B to the Right Brake Temperature Module.
 - 4) Do the Repair Confirmation at the end of this task.
- (b) If you do not find a problem with the Wiring, Connect the Connectors you disconnected above and continue.
- (5) Do this check of the Wiring (WDM 32-46-12):
 - (a) Disconnect Connector DM32223A from the Right Brake Temperature Module, M32223.
 - (b) Disconnect Connector DM32490AB from the TBMU, M32490.
 - (c) Disconnect Connector DM32490AC from the TBMU, M32490.
 - (d) Examine the Wiring between the Right Brake Temperature Module and the TBMU as follows.

Right Main Landing Gear

BRAKE TEMP COMP MODULE	TIRE and BRAKE MONITOR UNIT
DM32223A	DM32490AB
6	A6
7	B6
14	A7
15	B7

DM32223	DM32490AC
1	C4
2	C1
3	C2
4	C3
9	D4
10	D1
11	D2
12	D3

- (e) If you find a problem with the Wiring, then do these steps:
 - 1) Repair the Wiring as necessary (SWPM 20-10-13).
 - 2) Connect Connector DM32223A to the Right Brake Temperature Module, M32223.
 - 3) Connect Connector DM32490AB to the TBMU, M32490.

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- 4) Connect Connector DM32490AC to the TBMU, M32490.
- 5) Do the Repair Confirmation at the end of this task.

H. Repair Confirmation

- (1) If the MAT shows NOT ACTIVE for the Maintenance Message, then you corrected the problem.
- (2) If the MAT shows ACTIVE for the Maintenance Message, then continue the Fault Isolation Procedure at the subsequent step.

————— END OF TASK —————

809. EICAS Message BRAKE SOURCE - Fault Isolation

A. Initial Evaluation

NOTE: Both active brake hydraulic power sources (right and center/reserve hydraulic systems) are low pressure.

- (1) Make sure the right and center/reserve hydraulic systems are selected ON. During landing rollout, apply steady, increasing brake pressure and hold to a full stop.
- (2) If the hydraulic pressures are correct and the hydraulic systems are selected ON, then do the Fault Isolation Procedure below.

B. Fault Isolation Procedure

- (1) Do this check of the wiring (WDM 32-41-11):
 - (a) Disconnect the connector DS32014 from the switch S32014.
 - (b) Disconnect the connector D6611 from the Left AIMS cabinet.
 - (c) Do a wiring check between these pins of the connector DS32014 and the connector D6611, E3-1 shelf:

DS32014	D6611
Pin 2	Pin 37
Pin 3	Pin 37

- (d) Disconnect the connector D6711 from the Right AIMS cabinet.
 - (e) Do this wiring check between these pins of the connector DS32014 and the connector D6711, E3-1 shelf:

DS32014	D6711
Pin 2	Pin 37
Pin 3	Pin 37

- (f) Disconnect the connector DM32097 from the Module-Accumulator Pressure Indicator, P1-2.
 - (g) Do this wiring check between these pins of the connector DS32014 and the connector DM32097:

DS32014	DM32097
Pin 2	Pin 3
Pin 3	Pin 3

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- (h) Inspect connections at the intermediate terminal blocks and the Time Delay Module M32003.

NOTE: Bent connectors, Foreign Object Damage (FOD), contamination and incorrect mating can cause a brake source fault.

- (2) If you find a problem with the wiring, then do these steps:
 - (a) Repair the wiring.
 - (b) Reconnect connectors DS32014, D6611, D6711 and DM32097.
- (3) If no fault is found with the wiring then replace the Normal Brake Pressure Switch S32014. Do this task:
 - (a) Brake Source Pressure Switches Removal, AMM TASK 32-41-13-000-801
 - (b) Brake Source Pressure Switches Installation, AMM TASK 32-41-13-400-801

————— **END OF TASK** —————

810. EICAS Message BRAKE TEMP - Fault Isolation

A. Initial Evaluation

NOTE: Brake overheat condition detected (Temperature indicating of any brake is equal to or greater than 5 units).

NOTE: Reading in the flight deck. Fuse melting would mean a seized or binding brake.

- (1) If there was a brake binding/seizing condition, do this task: Brake Seizure Conditional Inspection, AMM TASK 05-51-15-210-801.
- (2) If you are on the ground, do the conditional inspection High Energy Stop, AMM TASK 05-51-14-210-801.
- (3) If you are in the air, observe the speed limit placard for gear extension, then extend the gear to cool the brakes.
 - (a) After landing, do the conditional inspection High Energy Stop, AMM TASK 05-51-14-210-801.
 - (b) If the gear is extended above the speed limit placard for gear extension, then do the conditional inspection after landing, Landing Gear Operation Above Design Speed Condition, Conditional Inspection, AMM TASK 05-51-07-210-801.

————— **END OF TASK** —————

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802. Tire Pressure Channel to Systems 629 Bus-L Communication Problems - Fault Isolation

A. Initial Evaluation

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

B. Fault Isolation Procedure

- (1) Open the circuit breaker C32617 and then close it.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do a check of the wiring from the Tire Brake Monitoring Unit (TBMU) to the coupler:
 - (a) Disconnect connector DM32490AC from the Tire Brake Monitoring Unit (TBMU).
 - (b) Do a check for 28V DC between pin D10 of connector DM32490AC and structure ground
 - (c) If there is not 28V DC at pin D10 of connector DM32490AC, then do these steps
 - 1) Open the P110 left power management panel.
 - 2) Do a check for 28V DC at the load terminal of circuit breaker C32617.
 - 3) If there is not 28V DC at the circuit breaker, then do these steps:
 - a) Replace this circuit breaker:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
M	19	C32617	LG TIRE PRESSURE INDICATOR

- b) Re-connect connector DM32490AC.
 - 4) If there is 28V DC at pin D10 of connector DM32490AC, then continue.
 - (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (e) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the Tire and Brake Monitoring Unit (TBMU), M32490 (Tire and Brake Monitoring Unit (TBMU) Installation, AMM TASK 32-49-04-400-801).
 - (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 ARINC 629 coupler, B32114, in the P115 panel (AMM TASK 23-91-01-000-801).

NOTE: This coupler connects the TBMU 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 a check of the wiring from the TBMU to the coupler:
 - (a) Remove the TBMU, M32490 (Tire and Brake Monitoring Unit (TBMU) Removal, AMM TASK 32-46-04-000-801.
 - (b) Disconnect connector DB32114 from the coupler, B32114.

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- (c) Do a wiring check between these pins of connector DM32490AB at the E6-3 shelf and connector DB32114 at the P115 panel (WDM 32-49-13):

DM32490AB	DB32114
pin 1TR	pin 1
pin 1T	pin 2
pin 2TR	pin 4
pin 2T	pin 5

- (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 DB32114.
 - 3) Re-install the TBMU, M32490 (Tire and Brake Monitoring Unit (TBMU) Installation, AMM TASK 32-49-04-400-801).
 - 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. Tire Pressure Sensor Circuit Is Open Or Shorted - Fault Isolation

A. Initial Evaluation

NOTE: Disconnect the relay transformer cable from the tire pressure sensor. The hubcap will still be in place but the cable will be hanging free. A replacement pressure sensor can be mated with the relay transformer cable.

NOTE: A tire pressure advisory on the MFD is expected because the pressure sensor is not pressurized. The tire pressure displayed on the gear synoptic page for that wheel should be in the range of 0 - 10 psi. If the maintenance message goes away for that wheel though, then the problem was the tire pressure sensor.

- (1) If the MAT shows ACTIVE for the maintenance message, 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 applicable tire pressure sensor.

These are the tasks:

Tire Pressure Sensor/Fill Valve Removal, AMM TASK 32-49-05-000-801,

Tire Pressure Sensor/Fill Valve Installation, AMM TASK 32-49-05-400-801.

- (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 —————

809. Tire Pressure Sensor Has an Internal Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-54201, 32-54205, 32-54209, 32-54213, 32-54217, 32-54221, 32-54225, 32-54229, 32-54233, 32-54237, 32-54241, 32-54245, 32-54249, 32-54253.

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B. Initial Evaluation

NOTE: Disconnect the relay transformer cable from the tire pressure sensor. The hubcap will still be in place but the cable will be hanging free. A replacement pressure sensor can be mated with the relay transformer cable.

NOTE: A tire pressure advisory on the MFD is expected because the pressure sensor is not pressurized. The tire pressure displayed on the gear synoptic page for that wheel should be in the range of 0 - 10 psi. If the maintenance message goes away for that wheel though, then the problem was the tire pressure sensor.

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

These are the tasks:

Tire Pressure Sensor/Fill Valve Removal, AMM TASK 32-49-05-000-801,

Tire Pressure Sensor/Fill Valve Installation, AMM TASK 32-49-05-400-801.

- (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.

————— END OF TASK —————

810. Tire and Brake Monitor Unit has Internal Fault - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-54313.

B. Fault Isolation Procedure

- (1) Replace the tire and brake monitor unit (TBMU), M32490.

These are the tasks:

Tire and Brake Monitoring Unit (TBMU) Removal, AMM TASK 32-49-04-000-801,

Tire and Brake Monitoring Unit (TBMU) Installation, AMM TASK 32-49-04-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (2) If the airplane does not have the tire and brake monitoring system (TBMS), the maintenance message 32-54313 is a nuisance fault and no action is required.

————— END OF TASK —————

811. Tire Pressure Sensor has loss of Redundant Data - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-54325, 32-54329, 32-54333, 32-54337, 32-54341, 32-54345, 32-54349, 32-54353, 32-54357, 32-54361, 32-54365, 32-54369, 32-54373, 32-54377.

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B. Initial Evaluation

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

NOTE: If only 1 Pressure Sensor has failed, it is not required to change the Pressure Sensor for this fault. The Tire Pressure Data is still valid. If two or more Pressure Sensors fail, this will invalidate the data and cause the Pressure Sensor fault and Tire Pressure System to show as ACTIVE on the MAT.

- (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 Tire Pressure sensor.

These are the tasks:

Tire Pressure Sensor/Fill Valve Removal, AMM TASK 32-49-05-000-801,

Tire Pressure Sensor/Fill Valve Installation, AMM TASK 32-49-05-400-801.

- (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.

————— **END OF TASK** —————

812. Tire Pressure Channel Program Pin Disagree - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-54317.

B. Description

- (1) Tire Pressure Channel Program Pin Disagree.

C. Initial Evaluation

- (1) If the Maintenance Access Terminal (MAT) shows ACTIVE for the maintenance message and this airplane does not have the Tire and Brake Monitoring System (TBMS), then this is a "nuisance fault" and no corrective action is necessary.
- (2) If the MAT shows ACTIVE for the maintenance message and this airplane has the Tire and Brake Monitoring System (TBMS), then do the Fault Isolation Procedure below.
- (3) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent problem.

D. Fault Isolation Procedure

- (1) Do a check of the status of the Tire Pressure Channel Program pins on the SYSTEM CONFIG Page. Verify that the status pins are in agreement with the valid Tire Pressure Channel Program pins in the table below.

NOTE: The MAT will show Program Pins Set A (XXX) and Set B (XXX). Set A and Set B must match each other.

Table 201/32-49-00-993-804 Tire Pressure Pin Programming

System Functionality	Pin (1) Configuration	Pin (2) Configuration	Pin (3) Configuration
Tire Pressure Indication Enabled	0	0	0

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Table 201/32-49-00-993-804 Tire Pressure Pin Programming (Continued)

Tire Pressure Indication Disabled	0	0	1
Future Configuration (Invalid)	0	1	0
Future Configuration (Invalid)	0	1	1
Future Configuration (Invalid)	1	0	0
Future Configuration (Invalid)	1	0	1
Future Configuration (Invalid)	1	1	0
Future Configuration (Invalid)	1	1	1

NOTE: 0=Open, 1 = Ground

- (a) Do a check of continuity between the Program pins and the structure ground.
- (b) If there is continuity and the MAT shows ACTIVE for the maintenance message after power cycle of the Tire Brake Monitoring Unit, then continue.
 - 1) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (2) Replace the Tire and Brake Monitor Unit (TBMU), M32490 . These are the tasks:
 - Tire and Brake Monitoring Unit (TBMU) Removal, AMM TASK 32-49-04-000-801
 - Tire and Brake Monitoring Unit (TBMU) Installation, AMM TASK 32-49-04-400-801
- (a) 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. Tire Pressure Channel Program Pin Invalid - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-54321.

B. Description

- (1) The Tire Pressure Channel Program Pin Configuration is invalid.

C. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message and this airplane does not have the Tire and Brake Monitoring System (TBMS), then this is a "nuisance fault" and no corrective action is necessary.
- (2) If the MAT shows ACTIVE for the maintenance message and this airplane has the Tire and Brake Monitoring System (TBMS), then do the Fault Isolation Procedure below.
- (3) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent problem.

D. Fault Isolation Procedure

- (1) Do a check of the status of the Tire Pressure Channel Program pins on the MAT. Verify that the status of the pins is in agreement with the valid Tire Pressure Channel Program pins in the table below.

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Table 202/32-49-00-993-805 Tire Pressure Pin Programming

System Functionality	Pin (1) Configuration	Pin (2) Configuration	Pin (3) Configuration
Tire Pressure Indication Enabled	0	0	0
Tire Pressure Indication Disabled	0	0	1
Future Configuration (Invalid)	0	1	0
Future Configuration (Invalid)	0	1	1
Future Configuration (Invalid)	1	0	0
Future Configuration (Invalid)	1	0	1
Future Configuration (Invalid)	1	1	0
Future Configuration (Invalid)	1	1	1

NOTE: 0=Open, 1 = Ground

- (a) If the program pins are invalid, power cycle the Tire and Brake Monitoring Unit and put the pins in a valid configuration.
- 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

814. Tire Pressure In-Axle Transformer Is Open or Shorted - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-54145, 32-54149, 32-54153, 32-54157, 32-54161, 32-54165, 32-54169, 32-54173, 32-54177, 32-54181, 32-54185, 32-54189, 32-54193, 32-54197.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 Tire Pressure In-Axle Transformer.
- (a) Remove the In-Axle Transformer. Do this task: AMM PAGEBLOCK 32-42-05/401
Disconnect connector from the applicable Tire Pressure In-Axle Transformer.
- (b) Measure the resistance between pin 1 and pin 2 of the connector at the applicable Tire Pressure In-Axle Transformer WDM 32-49-13 WDM 32-49-12 WDM 32-49-11.
- (c) If the resistance is not 2-50 ohms, then do these steps:
- 1) Replace the applicable Tire pressure In-Axle Transformer. AMM PAGEBLOCK 32-42-05/401.
- 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If the resistance is 2 -50 ohms, then continue.
- (2) Do this check of the wiring:

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- (a) In the table below, find the electrical connector and the pair of pins for the applicable Tire Pressure In-Axle Transformer
WDM 32-49-12 and WDM 32-49-13 for Table 203).

Table 203/32-49-00-993-803 Wheel Functional Assembly

WHEEL	EQUIP NUMBER	TP IN-AXLE XFMR CONN)	TBMU CONN	TP IN-AXLE XFMR PIN		TBMU PIN
1	M32519	DM32141	DM32490AA	pin 1	-----	A3
2	M32520	DM32142	DM32490AA	pin 1	-----	D3
3	M32521	DM32141	DM32490AB	pin 1	-----	A1
4	M32522	DM32142	DM32490AB	pin 1	-----	D1
5	M32523	DM32145	DM32490AA	pin 1	-----	A4
6	M32524	DM32146	DM32490AA	pin 1	-----	D4
7	M32525	DM32145	DM32490AB	pin 1	-----	A2
8	M32526	DM32146	DM32490AB	pin 1	-----	D2
9	M32527	DM32149	DM32490AA	pin 1	-----	A5
10	M32528	DM32150	DM32490AA	pin 1	-----	D5
11	M32529	DM32149	DM32490AB	pin 1	-----	A3
12	M32530	DM32150	DM32490AB	pin 1	-----	D3
13	M32531	DM32043	DM32490AA	pin 1	-----	A1
14	M32522	DM32044	DM32490AA	pin 1	-----	D1

- (b) Do a wiring check between the pair of pins of connector DM32490AA or DM32490AB at the E6-3 shelf and the applicable connector of the in-axle transformer. WDM 32-49-11 WDM 32-49-12 WDM 32-49-13
- (c) Do a continuity check between pin 3 of connector at the applicable in-axle transformer and structure ground.
- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect the connector of the applicable Tire Pressure In-Axle Transformer.
 - 3) Do this system test on the MAT: 32 Tire Brake Monitoring System, System Test, System Interface.
 - 4) 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. Tire Pressure Relay Transformer Is Open or Shorted - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-54257, 32-54261, 32-54265, 32-54269, 32-54273, 32-54277, 32-54281, 32-54285, 32-54289, 32-54293, 32-54297, 32-54301, 32-54305, 32-54309.

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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 Tire Pressure Relay Transformer. Do this task: AMM PAGEBLOCK 32-45-08/401
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue:
- (2) Replace the applicable tire pressure sensor.

These are the tasks:

Tire Pressure Sensor/Fill Valve Removal, AMM TASK 32-49-05-000-801,

Tire Pressure Sensor/Fill Valve Installation, AMM TASK 32-49-05-400-801.

- (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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801. Nose Wheel Vibrates at Taxi, Takeoff, or Landing - Fault Isolation

A. Description

- (1) (SDS SUBJECT 32-51-00)

B. Possible Causes

- (1) Incorrect inflation or servicing of the nose wheel tires.
- (2) Flat spots, worn areas, out-of-balance or damage on the nose wheel tires.
- (3) Damaged nose wheels.
- (4) Loose axle nuts on nose wheels.
- (5) Loose or damaged nose wheel bearings.
- (6) Incorrect nose gear shock strut servicing.
- (7) Excessive freeplay on the nose gear torsion links.
- (8) Excessive freeplay in the nose gear steering actuator or nose gear steering collar.
- (9) Defective steering metering valve module.

C. Related Data

- (1) (SSM 32-51-11)

D. Fault Isolation Procedure

- (1) Make sure the nose wheel tires are inflated to the correct pressure, do this task: Landing Gear Tire Pressure Check, AMM TASK 12-15-03-780-801.
 - (a) If the pressure for the nose wheel tires is not correct, then do this task:
 - 1) Landing Gear Tire Servicing, AMM TASK 12-15-03-610-801.
 - (b) If the pressure for the nose wheel tires is correct, then continue.
- (2) Examine the nose wheel tires for flat spots, worn areas, or damage.
 - (a) If there are flat spots, worn areas, or damage to the tire, then do these steps:
 - 1) Replace the nose wheel tires that are damaged. These are the tasks:
 - a) Nose Landing Gear Wheel and Tire Assembly Removal, AMM TASK 32-45-02-000-801.
 - b) Nose Landing Gear Wheel and Tire Assembly Installation, AMM TASK 32-45-02-400-801.
 - (b) If the nose wheel tires are not worn or damaged, then continue.
- (3) Examine the nose wheels for structural damage, such as cracks.
 - (a) If there is structural damage to the nose wheels, then do these steps:
 - 1) Replace the nose wheels that are damaged and the tires, these are the tasks:
 - a) Nose Landing Gear Wheel and Tire Assembly Removal, AMM TASK 32-45-02-000-801.
 - b) Nose Landing Gear Wheel and Tire Assembly Installation, AMM TASK 32-45-02-400-801.
 - (b) If the nose wheels do not have structural damage, then continue.
- (4) Do this check of the axle nut on the two nose gear wheels.
 - (a) Make sure the torque for the axle nut on the two nose wheels is correct, do this task: Nose Landing Gear Wheel and Tire Assembly Installation, AMM TASK 32-45-02-400-801.

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- (b) If the torque on the axle nut for the two nose wheels is not correct, then do this step:
 - 1) Tighten the axle nuts to the correct torque, do this task: Nose Landing Gear Wheel and Tire Assembly Installation, AMM TASK 32-45-02-400-801.
- (c) If the torque on the axle nuts is correct, then continue.
- (5) Do a check of the wheel bearings on the two nose gear wheels.
 - (a) Examine the wheel bearings on the two nose wheels for damage, do this task: Nose Landing Gear Wheel and Tire Assembly Removal, AMM TASK 32-45-02-000-801.
 - (b) If it is necessary, replace the wheel bearings, do this task: Nose Landing Gear Wheel and Tire Assembly Installation, AMM TASK 32-45-400-801.
 - (c) If the wheel bearings do not need to be replaced, then continue.
- (6) Do a check of the shock strut for the nose landing gear for the correct servicing (AMM PAGEBLOCK 12-15-02/301 Config 2).
 - (a) Examine the nose gear shock strut for the correct servicing, do this task: Nose Landing Gear Shock Strut Fluid Check, AMM TASK 12-15-02-610-801-001.
 - (b) If it is necessary, service the nose gear shock strut, do this task: Nose Landing Gear Shock Strut Servicing, AMM TASK 12-15-02-610-802-001.
 - (c) If the nose gear shock strut is correctly serviced, then continue.
- (7) Examine the nose gear torsion links for wear.
 - (a) Repair or replace faulty or worn torsion links that are loose or have excessive play, do this procedure: Nose Landing Gear Torsion Links - Maintenance Practices, AMM 32-21-11/201.
 - (b) If the torsion links are not loose, worn or faulty, then continue.
- (8) Check for excessive freeplay in the nose gear steering actuator and the nose gear steering collar.
 - (a) If there is excessive freeplay, then replace the worn parts.
 - 1) Replace the nose landing gear steering actuator if defective, do these tasks:
 - a) Nose Landing Gear Steering Actuator Removal, AMM TASK 32-51-08-000-801
 - b) Nose Landing Gear Steering Actuator Installation, AMM TASK 32-51-08-400-8001
 - c) If the steering actuator is not defective, then continue.
 - 2) Replace the steering collar if defective, do these tasks:
 - a) Nose Landing Gear Steering Collar Removal, AMM TASK 32-51-09-020-801
 - b) Nose Landing Gear Steering Collar Installation, AMM TASK 32-51-09-400-801
 - (b) If the steering collar is not defective, then continue.
- (9) Check the nose landing gear steering metering valve module.
 - (a) Replace the steering metering valve if defective, these are the tasks:
 - 1) Steering Metering Valve Removal, AMM TASK 32-51-07-020-801.
 - 2) Steering Metering Valve Installation, AMM TASK 32-51-07-400-801.

E. Repair Confirmation

- (1) If the fault does not occur on the subsequent flight, then you corrected the fault.

————— END OF TASK —————

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801. MGSCU No Output on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-68840.

B. Initial Evaluation

NOTE: Maintenance message 32-68840 will appear when the main gear steering system is disabled per MMEL 32-53-1.

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault 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: Engine starts during push back can cause a latched fault to occur and will not be discovered until the crew advances the throttles for takeoff.

Make sure the fault is not related to engine starts during push back or engine shutoff during taxi in before you continue with this procedure.

- (1) Check that this circuit breaker is closed:
 - (a) Left Power Management Panel, P110:
 - 1) 110N27 LG MAIN GEAR STEERING

NOTE: Maintenance message 32-68840 will appear if circuit breaker 110N27, LG MAIN GEAR STEERING is open.
 - (b) If circuit breaker 110N27, LG MAIN GEAR STEERING is open then do the following steps:
 - 1) Close circuit breaker 110N27, LG MAIN GEAR STEERING.
 - 2) Do this task: Nose Landing Gear Torsion Link Disconnection/Electrical Harness Storage, AMM TASK 32-21-11-000-803.

NOTE: This is done to prevent scrubbing of the tires on the nose landing gear and to prevent any side motion of the airplane.
 - 3) For the center hydraulic system, do this task: Main Hydraulic System Pressurization, AMM TASK 29-11-00-860-801.
 - 4) Turn the steering tiller fully counterclockwise.
 - 5) Wait approximately 5 seconds.
 - 6) Release the steering tiller.

NOTE: The steering tiller will go back to the neutral position.
 - 7) Turn the steering tiller clockwise.
 - 8) Wait approximately 5 seconds.
 - 9) Release the steering tiller.

NOTE: The steering tiller will go back to the neutral position.
 - 10) For the center hydraulic system, do this task: Main Hydraulic System Power Removal, AMM TASK 29-11-00-860-808.
 - 11) Do this task: Nose Landing Gear Torsion Link Connection, AMM TASK 32-21-11-400-803.

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- 12) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.
- 13) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the main gear steering control unit (MGSCU), M32037.
These are the tasks:
Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801,
Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32111, in the P115 panel.
These are the tasks:
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
NOTE: This coupler connects the MGSCU 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 MGSCU to the coupler:
 - (a) Remove the MGSCU, M32037. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
 - (b) Disconnect connector DB32111 from the coupler, B32111.
 - (c) Do a wiring check between these pins of connector DM32037AB at the E6-3 shelf and connector DB32111 at the P115 panel (WDM 32-53-11):

DM32037AB	DB32111
pin 2T	pin 5
pin 2TR	pin 4
pin 1T	pin 2
pin 1TR	pin 1
- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect connector DB32111.
 - 3) Re-install the MGSCU, M32037. To install it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.
 - 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** ———

802. Main Gear Steering (MN GR STRG LKD1) Circuit Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-61010.

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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 main gear steering control unit (MGSCU), M32037.

These are the tasks:

Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801,

Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left warning electronics unit (WEU), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the right WEU, M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 MGSCU to the left WEU:
 - (a) Remove the MGSCU, M32037. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
 - (b) Remove the left WEU, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
 - (c) Do a wiring check between these pins of connector DM32037AB at the E6-3 shelf and connector DM31107AA at the E1-5 shelf (WDM 32-53-11):

DM32037AB

DM31107AA

pin B3 pin D10

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the MGSCU, M32037.
 - 3) Re-install the left WEU, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-install the left WEU, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- (5) Do this check of the wiring from the MGSCU to the right WEU:
 - (a) Remove the right WEU, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
 - (b) Do a wiring check between these pins of connector DM32037AB at the E6-3 shelf and connector DM31207AA at the E4-2 shelf (WDM 32-53-11):

DM32037AB	DM31207AA
pin B3	pin D10
 - (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the MGSCU, M32037. To install it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.
 - 3) Re-install the right WEU, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

803. NG Steering Position Transducer (Captain) Circuit Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-62020.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the nose landing gear steering tiller position transducer (captain), M32039.

These are the tasks:

Nose Landing Gear Steering Tiller Position Transducer Removal, AMM TASK 32-53-01-020-801,

Nose Landing Gear Steering Tiller Position Transducer Installation, AMM TASK 32-53-01-420-801.

- (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 main gear steering control unit (MGSCU), M32037.

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These are the tasks:

Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801,
Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Do this check of the wiring:
 - (a) Disconnect connector DM32039 from the position transducer, M32039.
 - (b) Remove the MGSCU, M32037. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
 - (c) Do a wiring check between these pins of connector DM32039 at the position transducer, M32039, and connector DM32037AB at the E6-3 shelf (WDM 32-53-11):

DM32039	DM32037AB
pin 6	pin D5
pin 7	pin C5
pin 8	pin C6
pin 11	pin D6
pin 12	pin D7

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DM32039.
 - 3) Re-install the MGSCU, M32037. To install it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.
 - 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** —————

804. Position Signals from NG Steering Position Transducers Do Not Agree - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-62030.

B. 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:

NOTE: You can use the landing gear BRKS/STRNG MAINTENANCE page to view the steered angles.

- (a) Do this task: Nose Landing Gear Torsion Link Disconnection/Electrical Harness Storage, AMM TASK 32-21-11-000-803.

NOTE: This is done to prevent scrubbing of the tires on the nose landing gear and to prevent any side motion of the airplane.

- (b) For the center hydraulic system, do this task: Main Hydraulic System Pressurization, AMM TASK 29-11-00-860-801.

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- (c) Turn the steering tiller fully counterclockwise.
- (d) Wait approximately 5 seconds.
- (e) Release the steering tiller.

NOTE: The steering tiller will go back to the neutral position.

- (f) Turn the steering tiller clockwise.
- (g) Wait approximately 5 seconds.
- (h) Release the steering tiller.

NOTE: The steering tiller will go back to the neutral position.

- (i) If the MAT shows ACTIVE or LATCHED for the maintenance message, then do the Fault Isolation Procedure below.
- (j) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault. Do these steps to complete the task:
 - 1) For the center hydraulic system, do this task: Main Hydraulic System Power Removal, AMM TASK 29-11-00-860-808.
 - 2) Do this task: Nose Landing Gear Torsion Link Connection, AMM TASK 32-21-11-400-803.

C. Fault Isolation Procedure

- (1) Replace the nose landing gear steering tiller position transducer (first officer), M32038.

These are the tasks:

Nose Landing Gear Steering Tiller Position Transducer Removal, AMM TASK 32-53-01-020-801,

Nose Landing Gear Steering Tiller Position Transducer Installation, AMM TASK 32-53-01-420-801.

- (a) Do the repair confirmation at the end of this task.

- (2) Replace the nose landing gear steering tiller position transducer (captain), M32039.

These are the tasks:

Nose Landing Gear Steering Tiller Position Transducer Removal, AMM TASK 32-53-01-020-801,

Nose Landing Gear Steering Tiller Position Transducer Installation, AMM TASK 32-53-01-420-801.

- (a) Do the repair confirmation at the end of this task.

- (3) Replace the main gear steering control unit (MGSCU), M32037.

These are the tasks:

Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801,

Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.

- (a) Do the repair confirmation at the end of this task.

D. Repair Confirmation

NOTE: You can use the landing gear BRKS/STRNG MAINTENANCE page to view the steered angles.

- (1) Do the steps that follow to do a repair confirmation:

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- (a) Do this task: Nose Landing Gear Torsion Link Disconnection/Electrical Harness Storage, AMM TASK 32-21-11-000-803.
NOTE: This is done to prevent scrubbing of the tires on the nose landing gear and to prevent any side motion of the airplane.
- (b) For the center hydraulic system, do this task: Main Hydraulic System Pressurization, AMM TASK 29-11-00-860-801.
- (c) Turn the steering tiller fully counterclockwise.
- (d) Wait approximately 5 seconds.
- (e) Release the steering tiller.
NOTE: The steering tiller will go back to the neutral position.
- (f) Turn the steering tiller fully clockwise.
- (g) Wait approximately 5 seconds.
- (h) Release the steering tiller.
NOTE: The steering tiller will go back to the neutral position.
- (i) If the MAT shows ACTIVE or LATCHED for the maintenance message, then continue with fault isolation.
- (j) For the center hydraulic system, do this task: Main Hydraulic System Power Removal, AMM TASK 29-11-00-860-808.
- (k) Do this task: Nose Landing Gear Torsion Link Connection, AMM TASK 32-21-11-400-803.

————— END OF TASK —————

805. MG Steering Power Control Actuator (Left) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-63010.

B. Initial Evaluation

NOTE: Engine starts during push back can cause a latched fault to occur and will not be discovered until the crew advances the throttles for takeoff.

Make sure the fault is not related to engine starts during push back or engine shutoff during taxi in before you continue with this procedure.

- (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:

NOTE: You can use the landing gear BRKS/STRNG MAINTENANCE page to view the steered angles.

- (a) Do this task: Nose Landing Gear Torsion Link Disconnection/Electrical Harness Storage, AMM TASK 32-21-11-000-803.
NOTE: This is done to prevent scrubbing of the tires on the nose landing gear and to prevent any side motion of the airplane.
- (b) Make sure the towing lever, on the forward side of the nose landing gear, is in the NORMAL position.
- (c) For the center hydraulic system, do this task: Main Hydraulic System Pressurization, AMM TASK 29-11-00-860-801.
- (d) Turn the steering tiller fully counterclockwise.

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- (e) Wait approximately 5 seconds.
- (f) Release the steering tiller.
NOTE: The steering tiller will go back to the neutral position.
- (g) Turn the steering tiller fully clockwise.
- (h) Wait approximately 5 seconds.
- (i) Release the steering tiller.
NOTE: The steering tiller will go back to the neutral position.
- (j) If the MAT shows ACTIVE or LATCHED for the maintenance message, then do the Fault Isolation Procedure below.
- (k) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault. Do these steps to complete the task:
 - 1) For the center hydraulic system, do this task: Main Hydraulic System Power Removal, AMM TASK 29-11-00-860-808.
 - 2) Do this task: Nose Landing Gear Torsion Link Connection, AMM TASK 32-21-11-400-803.

C. Fault Isolation Procedure

- (1) Do this check of the wiring:
 - (a) Disconnect connector DM32163 from the left main gear steering/locking power control actuator, M32163.
 - (b) Remove the MGSCU, M32037. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
 - (c) Do a wiring check between these pins of DM32163 at the left main gear steering/locking power control actuator, M32163, and connector DM32037AC at the E6-3 shelf (WDM 32-53-12):

DM32163	DM32037AC
pin 12	pin C7
pin 13	pin C8
pin 10	pin B9
pin 3	pin A9
pin 11	pin A10
pin 2	pin B10
pin 9	pin C10
pin 5	pin D8
pin 6	pin D7
pin 4	pin D9
pin 1	pin D10
pin 15	pin A7
pin 16	pin B7
pin 17	pin A8
pin 18	pin B8

- (d) Do a continuity check between pin 7 of connector DM32163 at the left main gear steering/locking power control actuator, M32163, and structure ground (WDM 32-53-12).
- (e) If you find a problem with the wiring, then do these steps:

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- 1) Repair the wiring.
 - 2) Re-connect connector DM32163.
 - 3) Re-install the MGSCU, M32037. To install it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.
 - 4) Do the repair confirmation at the end of this task.
- (2) Replace the left main gear steering/locking power control actuator, M32163.
- These are the tasks:
- Main Landing Gear Steering/Locking Power Control Actuator Removal, AMM TASK 32-53-03-000-801,
- Main Landing Gear Steering/Locking Power Control Actuator Installation, AMM TASK 32-53-03-400-801.
- (a) Do the repair confirmation at the end of this task.
- (3) Replace the main gear steering hydraulic fuse.
- These are the tasks:
- Main Landing Gear Steering Hydraulic Fuse Removal, AMM TASK 32-53-04-020-801
- Main Landing Gear Steering Hydraulic Fuse Installation, AMM TASK 32-53-04-420-801
- (a) Do the repair confirmation at the end of this task.
- (4) Replace the main gear steering control unit (MGSCU), M32037.
- These are the tasks:
- Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801,
- Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.
- (a) Do the repair confirmation at the end of this task.

D. Repair Confirmation

NOTE: You can use the landing gear BRKS/STRNG MAINTENANCE page to view the steered angles.

- (1) Do the steps that follow to do a repair confirmation:
 - (a) Do this task: Nose Landing Gear Torsion Link Disconnection/Electrical Harness Storage, AMM TASK 32-21-11-000-803.

NOTE: This is done to prevent scrubbing of the tires on the nose landing gear and to prevent any side motion of the airplane.
 - (b) Make sure the towing lever, on the forward side of the nose landing gear, is in the NORMAL position.
 - (c) For the center hydraulic system, do this task: Main Hydraulic System Pressurization, AMM TASK 29-11-00-860-801.
 - (d) Turn the steering tiller fully counterclockwise.
 - (e) Wait approximately 5 seconds.
 - (f) Release the steering tiller.

NOTE: The steering tiller will go back to the neutral position.
 - (g) Turn the steering tiller fully clockwise.
 - (h) Wait approximately 5 seconds.

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- (i) Release the steering tiller.
NOTE: The steering tiller will go back to the neutral position.
- (j) If the MAT shows ACTIVE or LATCHED for the maintenance message, then continue with fault isolation.
- (k) For the center hydraulic system, do this task: Main Hydraulic System Power Removal, AMM TASK 29-11-00-860-808.
- (l) Do this task: Nose Landing Gear Torsion Link Connection, AMM TASK 32-21-11-400-803.

———— END OF TASK ————

806. MGSCU No Input from AIMS-L on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-69401.

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 main gear steering control unit (MGSCU), M32037.
These are the tasks:
Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801,
Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M009) module in the left AIMS cabinet.
These are the tasks:
Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,
Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32111, in the P115 panel.
These are the tasks:
ARINC 629 Current-Mode Coupler Removal, AMM TASK 23-91-01-000-801,
ARINC 629 Current-Mode Coupler Installation, AMM TASK 23-91-01-400-801.
NOTE: This coupler connects the MGSCU 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.

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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 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 MGSCU to the coupler:
 - (a) Remove the MGSCU, M32037. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
 - (b) Disconnect connector DB32111 from the coupler, B32111.
 - (c) Do a wiring check between these pins of connector DM32037AB at the E6-3 shelf and connector DB32111 at the P115 panel (WDM 32-53-11):
- | DM32037AB | DB32111 |
|------------------|----------------|
| pin 1TR | pin 1 |
| pin 1T | pin 2 |
| pin 2TR | pin 4 |
| pin 2T | pin 5 |
- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect connector DB32111.
 - 3) Re-install the MGSCU, M32037. To install it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.
 - 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.
 - (6) Do this check of the wiring from the left AIMS to the coupler:
 - (a) Remove the IOM(M009) module from the left AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
 - (b) Disconnect connector DB31112 from the coupler, B31112.
 - (c) Do a wiring check between these pins of connector J420-B at the left AIMS cabinet and connector DB31112 at the P111 panel (WDM 31-41-25):

J420-B	DB31112
pin G3	pin 5
pin G4	pin 4
pin G1	pin 2
pin G2	pin 1

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect connector DB31112.

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- 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** ————

807. Main Gear Steering (MN GR STRG LKD2) Circuit Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-61020.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the main gear steering control unit (MGSCU), M32037.

These are the tasks:

Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801,

Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the left warning electronics unit (WEU), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
 - (3) Replace the right WEU, M31207.
- These are the tasks:
- Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,
- Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 MGSCU to the left WEU:
 - (a) Remove the MGSCU, M32037. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
 - (b) Remove the left WEU, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.

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- (c) Do a wiring check between these pins of connector DM32037AB at the E6-3 shelf and connector DM31107AC at the E1-5 shelf (WDM 32-53-11):

DM32037AB

DM31107AC

pin C1 pin D10

- (d) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the MGSCU, M32037.
 - 3) Re-install the left WEU, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 5) If the MAT shows ACTIVE for the maintenance message, then continue.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-install the left WEU, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- (5) Do this check of the wiring from the MGSCU to the right WEU:
- (a) Remove the right WEU, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
- (b) Do a wiring check between these pins of connector DM32037AB at the E6-3 shelf and connector DM31207AC at the E4-2 shelf (WDM 32-53-11):

DM32037AB

DM31207AC

pin C1 pin D10

- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-install the MGSCU, M32037. To install it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.
 - 3) Re-install the right WEU, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

— END OF TASK —

808. Main Gear Steering (MN GR STRG LKD3) Circuit Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-61030.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, 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 main gear steering control unit (MGSCU), M32037.

These are the tasks:

Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801,

Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.

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

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

- (2) Replace the left warning electronics unit (WEU), M31107.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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

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

- (3) Replace the right WEU, M31207.

These are the tasks:

Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801,

Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 MGSCU to the left WEU:

- (a) Remove the MGSCU, M32037. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.

- (b) Remove the left WEU, M31107. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.

- (c) Do a wiring check between these pins of connector DM32037AB at the E6-3 shelf and connector DM31107AA at the E1-5 shelf (WDM 32-53-11):

DM32037AB

DM31107AA

pin D1 pin H3

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

- 1) Repair the wiring.

- 2) Re-install the MGSCU, M32037.

- 3) Re-install the left WEU, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.

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

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

- (e) If you do not find a problem with the wiring, then continue.

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- (f) Re-install the left WEU, M31107. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
- (5) Do this check of the wiring from the MGSCU to the right WEU:
 - (a) Remove the right WEU, M31207. To remove it, do this task: Warning Electronic Unit Removal, AMM TASK 31-51-01-000-801.
 - (b) Do a wiring check between these pins of connector DM32037AB at the E6-3 shelf and connector DM31207AA at the E4-2 shelf (WDM 32-53-11):

DM32037AB

DM31207AA

pin D1 pin H3

- (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the MGSCU, M32037. To install it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.
 - 3) Re-install the right WEU, M31207. To install it, do this task: Warning Electronic Unit Installation, AMM TASK 31-51-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— **END OF TASK** —————

809. **NG Steering Position Transducer (First Officer) Circuit Problems - Fault Isolation**

A. Maintenance Messages

- (1) This task is for maintenance message: 32-62010.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the nose landing gear steering tiller position transducer (first officer), M32038.

These are the tasks:

Nose Landing Gear Steering Tiller Position Transducer Removal, AMM
TASK 32-53-01-020-801,

Nose Landing Gear Steering Tiller Position Transducer Installation, AMM
TASK 32-53-01-420-801.

- (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 main gear steering control unit (MGSCU), M32037.

These are the tasks:

Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801,
Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 DM32038 from the position transducer, M32038.
 - (b) Remove the MGSCU, M32037. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
 - (c) Do a wiring check between these pins of connector DM32038 at the position transducer, M32038, and connector DM32037AB at the E6-3 shelf (WDM 32-53-11):

DM32038	DM32037AB
pin 6	pin A7
pin 7	pin C7
pin 8	pin B7
pin 11	pin B6
pin 12	pin A6

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DM32038.
 - 3) Re-install the MGSCU, M32037. To install it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.
 - 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. **MG Steering Power Control Actuator (Right) Problems - Fault Isolation**

A. Maintenance Messages

- (1) This task is for maintenance message: 32-63020.

B. Initial Evaluation

NOTE: Engine starts during push back can cause a latched fault to occur and will not be discovered until the crew advances the throttles for takeoff.

Make sure the fault is not related to engine starts during push back or engine shutoff during taxi in before you continue with this procedure.

- (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:

NOTE: You can use the landing gear BRKS/STRNG MAINTENANCE page to view the steered angles.

- (a) Do this task: Nose Landing Gear Torsion Link Disconnection/Electrical Harness Storage, AMM TASK 32-21-11-000-803.

NOTE: This is done to prevent scrubbing of the tires on the nose landing gear and to prevent any side motion of the airplane.

- (b) Make sure the towing lever, on the forward side of the nose landing gear, is in the NORMAL position.

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- (c) For the center hydraulic system, do this task: Main Hydraulic System Pressurization, AMM TASK 29-11-00-860-801.
- (d) Turn the steering tiller fully counterclockwise.
- (e) Wait approximately 5 seconds.
- (f) Release the steering tiller.
NOTE: The steering tiller will go back to the neutral position.
- (g) Turn the steering tiller clockwise.
- (h) Wait approximately 5 seconds.
- (i) Release the steering tiller.
NOTE: The steering tiller will go back to the neutral position.
- (j) If the MAT shows ACTIVE or LATCHED for the maintenance message, then do the Fault Isolation Procedure below.
- (k) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault. Do these steps to complete the task:
 - 1) For the center hydraulic system, do this task: Main Hydraulic System Power Removal, AMM TASK 29-11-00-860-808.
 - 2) Do this task: Nose Landing Gear Torsion Link Connection, AMM TASK 32-21-11-400-803.

C. Fault Isolation Procedure

- (1) Do this check of the wiring:
 - (a) Disconnect connector DM32163 from the right main gear steering/locking power control actuator, M32263.
 - (b) Remove the MGSCU, M32037. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
 - (c) Do a wiring check between these pins of DM32163 at the right main gear steering/locking power control actuator, M32263, and connector DM32037AC at the E6-3 shelf (WDM 32-53-13):

DM32163	DM32037AC
pin 12	pin C1
pin 13	pin C2
pin 10	pin B3
pin 3	pin A3
pin 11	pin A4
pin 2	pin B4
pin 9	pin C4
pin 5	pin D2
pin 6	pin D1
pin 4	pin D3
pin 1	pin D4
pin 15	pin A1
pin 16	pin B1
pin 17	pin A2
pin 18	pin B2

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- (d) Do a continuity check between pin 7 of connector DM32163 at the right main gear steering/locking power control actuator, M32263, and structure ground (WDM 32-53-13).
- (e) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DM32163.
 - 3) Re-install the MGSCU, M32037. To install it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.
 - 4) Do the repair confirmation at the end of this task.
- (2) Replace the right main gear steering/locking power control actuator, M32263.
These are the tasks:
Main Landing Gear Steering/Locking Power Control Actuator Removal, AMM TASK 32-53-03-000-801.
Main Landing Gear Steering/Locking Power Control Actuator Installation, AMM TASK 32-53-03-400-801.
 - (a) Do the repair confirmation at the end of this task.
- (3) Replace the main gear steering hydraulic fuse.
These are the tasks:
Main Landing Gear Steering Hydraulic Fuse Removal, AMM TASK 32-53-04-020-801.
Main Landing Gear Steering Hydraulic Fuse Installation, AMM TASK 32-53-04-420-801.
 - (a) Do the repair confirmation at the end of this task.
- (4) Replace the main gear steering control unit (MGSCU), M32037.
These are the tasks:
Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801,
Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.
 - (a) Do the repair confirmation at the end of this task.

D. Repair Confirmation

NOTE: You can use the landing gear BRKS/STRNG MAINTENANCE page to view the steered angles.

- (1) Do the steps that follow to do a repair confirmation:
 - (a) Do this task: Nose Landing Gear Torsion Link Disconnection/Electrical Harness Storage, AMM TASK 32-21-11-000-803.
NOTE: This is done to prevent scrubbing of the tires on the nose landing gear and to prevent any side motion of the airplane.
 - (b) Make sure the towing lever, on the forward side of the nose landing gear, is in the NORMAL position.
 - (c) For the center hydraulic system, do this task: Main Hydraulic System Pressurization, AMM TASK 29-11-00-860-801.
 - (d) Turn the steering tiller fully counterclockwise.
 - (e) Wait approximately 5 seconds.
 - (f) Release the steering tiller.

NOTE: The steering tiller will go back to the neutral position.

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- (g) Turn the steering tiller fully clockwise.
- (h) Wait approximately 5 seconds.
- (i) Release the steering tiller.
NOTE: The steering tiller will go back to the neutral position.
- (j) If the MAT shows ACTIVE or LATCHED for the maintenance message, then continue with fault isolation.
- (k) For the center hydraulic system, do this task: Main Hydraulic System Power Removal, AMM TASK 29-11-00-860-808.
- (l) Do this task: Nose Landing Gear Torsion Link Connection, AMM TASK 32-21-11-400-803.

————— **END OF TASK** —————

811. MGSCU Internal Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-64000.

B. Fault Isolation Procedure

NOTE: Engine starts during push back can cause a latched fault to occur and will not be discovered until the crew advances the throttles for takeoff.

Make sure the fault is not related to engine starts during push back or engine shutoff during taxi in before you continue with this procedure.

- (1) Replace the main gear steering control unit (MGSCU), M32037.

These are the tasks:

Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801,

Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.

- (2) If the MAT shows LATCHED for the maintenance message, then do these steps:

NOTE: You can use the landing gear BRKS/STRNG MAINTENANCE page to view the steered angles.

- (a) Do this task: Nose Landing Gear Torsion Link Disconnection/Electrical Harness Storage, AMM TASK 32-21-11-000-803.

NOTE: This is done to prevent scrubbing of the tires on the nose landing gear and to prevent any side motion of the airplane.

- (b) For the center hydraulic system, do this task: Main Hydraulic System Pressurization, AMM TASK 29-11-00-860-801.

- (c) Turn the steering tiller fully counterclockwise.

- (d) Wait approximately 5 seconds.

- (e) Release the steering tiller.

NOTE: The steering tiller will go back to the neutral position.

- (f) Turn the steering tiller clockwise.

- (g) Wait approximately 5 seconds.

- (h) Release the steering tiller.

NOTE: The steering tiller will go back to the neutral position.

- (i) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault. Do these steps to complete the task:

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- 1) For the center hydraulic system, do this task: Main Hydraulic System Power Removal, AMM TASK 29-11-00-860-808.
- 2) Do this task: Nose Landing Gear Torsion Link Connection, AMM TASK 32-21-11-400-803.

— END OF TASK —

812. MGSCU No Input from AIMS-R on Systems 629 Bus-L - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-69402.

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 main gear steering control unit (MGSCU), M32037.

These are the tasks:

Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801,

Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Replace the IOM(M009) module in the right AIMS cabinet.

These are the tasks:

Core Processor Module/STD Removal, AMM TASK 31-41-05-000-801,

Core Processor Module/STD Installation, AMM TASK 31-41-05-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the ARINC 629 coupler, B32111, in the P115 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-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 MGSCU to the coupler:
 - (a) Remove the MGSCU, M32037. To remove it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Removal, AMM TASK 32-53-02-020-801.
 - (b) Disconnect connector DB32111 from the coupler, B32111.
 - (c) Do a wiring check between these pins of connector DM32037AB at the E6-3 shelf and connector DB32111 at the P115 panel (WDM 32-53-11):

DM32037AB	DB32111
pin 1TR	pin 1
pin 1T	pin 2
pin 2TR	pin 4
pin 2T	pin 5
- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect connector DB32111.
 - 3) Re-install the MGSCU, M32037. To install it, do this task: Main Landing Gear Steering Control Unit (MGSCU) Installation, AMM TASK 32-53-02-420-801.
 - 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.
- (6) Do this check of the wiring from the right AIMS to the coupler:
 - (a) Remove the IOM(M009) module from the right AIMS cabinet. To remove it, do this task: Input/Output Module (IOM) Removal, AMM TASK 31-41-11-000-801.
 - (b) Disconnect connector DB31116 from the coupler, B31116.
 - (c) Do a wiring check between these pins of connector J420-B at the right AIMS cabinet and connector DB31116 at the P111 panel (WDM 31-41-26):

J420-B	DB31116
pin G3	pin 5
pin G4	pin 4
pin G1	pin 2
pin G2	pin 1
- (d) If you find a problem with the wiring, then do these steps:
 - 1) Replace the ARINC 629 wiring (SWPM 20-11-11).
 - 2) Re-connect connector DB31116.
 - 3) Re-install the IOM(M009) module in the right AIMS cabinet. To install it, do this task: Input/Output Module (IOM) Installation, AMM TASK 31-41-11-400-801.

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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 —————

813. EICAS Message - Main Gear Steering (EICAS STATUS)

A. Initial Evaluation

- (1) If the status EICAS message "MAIN GEAR STEERING" occurs intermittently without a correlated maintenance message, and is not present at the time of dispatch, then there is no maintenance action required.
 - (a) This fault does not present a safety concern, the airplane can be dispatched without troubleshooting.
 - (b) To isolate the fault it is recommended that the airplane be dispatched with both left and right PCA manual shutoff levers in the "STEER" position until you can troubleshoot the PCA manual shutoff switch indication.
- (2) Reference data:
 - (a) 777-MT-32-013

B. Fault Isolation Procedure

- (1) Find the power control actuator that is causing the problem:
 - (a) Make sure the two shutoff levers are in the "STEER" position.
 - (b) Use the landing gear BRKS/STRNG EICAS maintenance page to find the power control actuator (PCA) that is causing the problem.

NOTE: The faulty PCA will cause the main gear steering item on the BRKS/STRNG page to display "DISABLED".
- (2) Remove the breather filter, if installed, that is located along the centerline of the manual shutoff valve, furthest from the manual shutoff handle (CMM 32-50-03).

NOTE: Material build-up within this filter and counterbore, which vents the switch cavity, can affect switch operation.
- (3) Do one of these tasks:
 - (a) Do this task: MG Steering Power Control Actuator (Right) Problems - Fault Isolation, 32-53 TASK 810.
 - (b) Do this task: MG Steering Power Control Actuator (Left) Problems - Fault Isolation, 32-53 TASK 805.

————— END OF TASK —————

814. Inoperative or Stiff Nose Gear Steering - Fault Isolation

A. Initial Evaluation

- (1) If the MAT shows ACTIVE for nose gear or nose steering associated messages, then do the Fault Isolation Procedure for the message.
- (2) Make sure that these circuit breakers are closed:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	23	C32608	LDG GEAR EXTD/RETR 2
G	10	C32607	LDG GEAR EXTD/RETR 1

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- (a) If either of the circuit breakers opens, then do the Fault Isolation Procedure below.
- (b) If the circuit breakers stay closed, then do a check of the nose wheel steering.
- (c) If the nose wheel steering operates correctly, then you had an intermittent fault.
- (d) If the nose wheel steering is stiff or inoperative, then do the Fault Isolation Procedure below.

B. Fault Isolation Procedure

- (1) If this circuit breaker is open, then do this test:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
G	10	C32607	LDG GEAR EXTD/RETR 1

- (a) Remove the connector DM32033A from the nose landing gear selector bypass valve (M32033).
- (b) Examine the connectors for damage.
- (c) 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>
G	10	C32607	LDG GEAR EXTD/RETR 1

- (d) If the circuit breaker stays closed, then replace the nose landing gear selector bypass valve (M32033).

These are the tasks:

Nose Landing Gear Selector/Bypass Valve Removal, AMM TASK 32-31-02-020-801,
Nose Landing Gear Selector/Bypass Valve Installation, AMM TASK 32-31-02-420-801.

- (e) If the circuit breaker opens, then remove the connector DM32032A from the main landing gear selector bypass valve (M32032).
- (f) Examine the connectors for damage.
- (g) 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>
G	10	C32607	LDG GEAR EXTD/RETR 1

- (h) If the circuit breaker stays closed, then replace the main landing gear selector bypass valve (M32032).

These are the tasks:

Main Landing Gear Selector/Bypass Valve Removal, AMM TASK 32-31-03-020-801,
Main Landing Gear Selector/Bypass Valve Installation, AMM TASK 32-31-03-420-801.

- (i) If the circuit breaker opens, then do these steps:
 - 1) Re-connect the connector on the nose landing gear selector bypass valve (M32033).
 - 2) Re-connect the connector on the main landing gear selector bypass valve (M32032).

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- 3) Remove the AUTO-OFF relay A1 (K32014) from the left power management panel (P110).
- 4) 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>
G	10	C32607	LDG GEAR EXTD/RETR 1

- 5) If the circuit breaker stays closed, then install a new relay.
 - a) If the fault continues after the relay is replaced, then do a check of the wiring between the relay and the nose and main landing gear selector/bypass valves (WDM 32-31-11).
 - 6) If the circuit breaker opens, then do a check of the wiring between the circuit breaker and AUTO-OFF relay A1 (K32014) (WDM 32-31-11).
- (2) If this circuit breaker is open, then do this test:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	23	C32608	LDG GEAR EXTD/RETR 2

- (a) Remove the connector DM32033B from the nose landing gear selector bypass valve (M32033).
- (b) Examine the connectors for damage.
- (c) 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>
A	23	C32608	LDG GEAR EXTD/RETR 2

- (d) If the circuit breaker stays closed, then replace the nose landing gear selector bypass valve (M32033).

These are the tasks:

Nose Landing Gear Selector/Bypass Valve Removal, AMM TASK 32-31-02-020-801,
Nose Landing Gear Selector/Bypass Valve Installation, AMM TASK 32-31-02-420-801.
- (e) If the circuit breaker opens, then remove the connector DM32032B from the main landing gear selector bypass valve (M32032).
- (f) Examine the connectors for damage.
- (g) 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>
A	23	C32608	LDG GEAR EXTD/RETR 2

- (h) If the circuit breaker stays closed, then replace the main landing gear selector bypass valve (M32032).

These are the tasks:

Main Landing Gear Selector/Bypass Valve Removal, AMM TASK 32-31-03-020-801,
Main Landing Gear Selector/Bypass Valve Installation, AMM TASK 32-31-03-420-801.

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- (i) If the circuit breaker opens, then do these steps:
- 1) Re-connect the connector on the nose landing gear selector bypass valve (M32033).
 - 2) Re-connect the connector on the main landing gear selector bypass valve (M32032).
 - 3) Remove the AUTO-OFF relay B1 (K32016) from the standby power management panel (P310).
 - 4) 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>
A	23	C32608	LDG GEAR EXTD/RETR 2

- 5) If the circuit breaker stays closed, then install a new relay.
 - a) If the fault continues after the relay is replaced, then do a check of the wiring between the relay and the nose and main landing gear selector/bypass valves (WDM 32-31-11).
 - 6) If the circuit breaker opens, then do a check of the wiring between the circuit breaker and AUTO-OFF relay B1 (K32016) (WDM 32-31-11).
- (3) If both circuit breakers stay closed, then do this test:
- (a) Open these circuit breakers and install safety tags:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	23	C32608	LDG GEAR EXTD/RETR 2
G	10	C32607	LDG GEAR EXTD/RETR 1

- (b) Remove the connectors DM32033A and DM32033B from the nose landing gear selector bypass valve (M32033).
- (c) Examine the connectors for damage.
- (d) Remove the safety tags and close these circuit breakers:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	23	C32608	LDG GEAR EXTD/RETR 2
G	10	C32607	LDG GEAR EXTD/RETR 1

- (e) Measure the voltage between pins 2 and 3 on each connector.
- (f) If there is 28 VDC at both pairs of pins, then replace the nose landing gear selector bypass valve (M32033).

These are the tasks:

Nose Landing Gear Selector/Bypass Valve Removal, AMM TASK 32-31-02-020-801,

Nose Landing Gear Selector/Bypass Valve Installation, AMM TASK 32-31-02-420-801.

- (g) If there is not 28 VDC at connector DM32033A, then do these steps:

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- 1) Open these circuit breakers and install safety tags:

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<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	23	C32608	LDG GEAR EXT D/RETR 2
G	10	C32607	LDG GEAR EXT D/RETR 1

- 2) Re-connect the connectors DM32033A and DM32033B on the nose landing gear selector bypass valve (M32033).
- 3) Remove the AUTO-OFF relay A1 (K32014) from the left power management panel (P110).
- 4) Remove the safety tags and close these circuit breakers:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	23	C32608	LDG GEAR EXT D/RETR 2
G	10	C32607	LDG GEAR EXT D/RETR 1

- 5) Measure the voltage between pin A3 and structure ground.
 - 6) If there is not 28 VDC at the pin, then do these steps:
 - a) Install a new AUTO-OFF relay A1 (K32014).
 - b) Make sure that the nose wheel steering operates correctly.
 - c) If the steering does not operate correctly, then do a check of the wiring between the relay and nose landing gear selector/bypass valve (WDM 32-31-11).
 - 7) If there is 28 VDC at the pin, then do a check of the wiring between the circuit breaker and AUTO-OFF relay A1 (K32014) (WDM 32-31-11).
- (h) If there is not 28 VDC at connector DM32033B, then do these steps:

- 1) Open these circuit breakers and install safety tags:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	23	C32608	LDG GEAR EXT D/RETR 2
G	10	C32607	LDG GEAR EXT D/RETR 1

- 2) Re-connect the connectors DM32033A and DM32033B on the nose landing gear selector bypass valve (M32033).
- 3) Remove the AUTO-OFF relay B1 (K32016) from the standby power management panel (P310).
- 4) Remove the safety tags and close these circuit breakers:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	23	C32608	LDG GEAR EXT D/RETR 2
G	10	C32607	LDG GEAR EXT D/RETR 1

- 5) Measure the voltage between pin A3 and structure ground.
- 6) If there is not 28 VDC at the pin, then do these steps:
 - a) Install a new AUTO-OFF relay B1 (K32016).

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- b) Make sure that the nose wheel steering operates correctly.
 - c) If the steering does not operate correctly, then do a check of the wiring between the relay and nose landing gear selector/bypass valve (WDM 32-31-11).
- 7) If there is 28 VDC at the pin, then do a check of the wiring between the circuit breaker and AUTO-OFF relay B1 (K32016) (WDM 32-31-11).

———— **END OF TASK** ————

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801. Nose Landing Gear Proximity Sensor (PSEU 1) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71720, 32-71730, 32-71740, 32-71750, 32-71760.

B. Description

- (1) 32-71720: The Nose Landing Gear Up 1 Proximity Sensor circuit is open or shorted.
- (2) 32-71730: The Nose Landing Gear Locked 1 Proximity Sensor circuit is open or shorted.
- (3) 32-71740: The Nose Landing Gear Down 1 Proximity Sensor circuit is open or shorted.
- (4) 32-71750: The Nose Landing Gear Not Compressed 1 Proximity Sensor circuit is open or shorted.
- (5) 32-71760: The Nose Landing Gear Door Closed (1) Proximity Sensor circuit is open or shorted.

NOTE: The Nose Landing Gear Lock Actuator can cause this problem.

C. Possible Causes

- (1) Wiring
- (2) Nose Landing Gear Proximity Sensor
- (3) Circuit Card Assembly, Prox Driver in PSEU 1, M32021-B07
- (4) PSEU 1, M32021

D. Related Data

- (1) WDM 32-61-12
- (2) WDM 32-61-41

E. Initial Evaluation

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

F. Fault Isolation Procedure

- (1) Check sensor health at target NEAR state. This is the task: Door and Landing Gear Proximity Sensor Test Using Breakout Box, AMM TASK 52-71-00-720-802.
 - (a) If inductance of sensor is properly rigged at NEAR state and maintenance message is still active, then do these steps:
 - 1) Replace the Circuit Card Assembly CCA, Prox Driver, B07 in Proximity Sensor Electronics Unit (PSEU) 1. These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - a) Do a repair confirmation at the end of this task.
 - 2) Replace the PSEU 1, M32021. These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - a) Do a repair confirmation at the end of this task.
 - (b) If inductance is not properly rigged at NEAR state, do these steps:
 - 1) Check the sensor adjustment AMM 52-71.

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- a) If the sensor is properly adjusted, replace sensor. These are task:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- b) Check sensor health at target NEAR state. This is the task: Door and Landing
Gear Proximity Sensor Test Using Breakout Box, AMM
TASK 52-71-00-720-802.
- 2) If necessary, rig the sensor.
- 3) If the sensor is properly adjusted, replace the sensor. These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- 4) Check sensor health at target NEAR state. This is the task: Door and Landing Gear
Proximity Sensor Test Using Breakout Box, AMM TASK 52-71-00-720-802.
- (c) Do the repair confirmation at the end of this task.
- (2) Do this check of the wiring (WDM 32-61-12, WDM 32-61-41):
 - (a) Remove the PSEU 1, M32021, from the E1-5 shelf. This is the task: Proximity Sensor
Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) In the table below, find the electrical connector and the two pairs of pins for the applicable
Proximity Sensor (WDM 32-61-12, WDM 32-61-41):

Table 201/32-62-00-993-801 Nose Gear

MESSAGE NUMBER	SENSOR	EQUIP NUMBER	DM32021AB (PSEU CONN)	DS32XXX (SNSR CONN)
32-71730	LOCK	S32022	pin D7 pin D8	pin 2 pin 3
32-71720	UP	S32021	pin C7 pin C8	pin 2 pin 3
32-71740	DOWN	S32023	pin B7 pin B8	pin 2 pin 3
32-71760	DOOR CLOSED	S32033	pin E7 pin E8	pin 2 pin 3
32-71750	NOT COMP	S32024	pin A7 pin A8	pin 2 pin 3

Nose Gear

	PSEU Connector	Up Sensor S32021
Message Number 32-71720	DM32021AB pin C7 pin C8	DS32021 pin 2 pin 3

- (c) Disconnect the connector from the applicable proximity sensor.

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- (d) Do a wiring check between the pairs of pins of connector DM32021AB at the E1-5 shelf and the connector at the Proximity Sensor (WDM 32-61-12, WDM 32-61-41):
 - (e) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect the connector to the sensor.
 - 3) Re-install the PSEU 1, M32021, to the E1-5 shelf. This is the task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) Do the repair confirmation at the end of this task.
 - (f) If you do not find a problem with the wiring, then continue:
 - 1) Re-install the PSEU 1, M32021, to the E1-5 shelf. This is the task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- I (3) Replace the applicable Proximity Sensor:
- (a) Replace the Up, Down, Locked, or Not Compressed Sensor. These are the tasks:
 - Proximity Sensors for the Nose Landing Gear - Removal, AMM TASK 32-61-02-000-801
 - Proximity Sensors for the Nose Landing Gear - Installation, AMM TASK 32-61-02-400-801
 - (b) Replace the Door Closed Sensor. These are the tasks:
 - Door Closed Sensor Removal, AMM TASK 32-61-05-000-801
 - Door Closed Sensor Installation, AMM TASK 32-61-05-400-801
 - (c) Do the repair confirmation at the end of this task.
- I (4) Replace the Circuit Card Assembly CCA, Prox Driver, B07 in PSEU 1. These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801
 - PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801
- (a) Do the repair confirmation at the end of this task.
- I (5) Replace the PSEU 1, M32021. These are the tasks:
- Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801
 - Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801
- (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 problem.
- (2) If the MAT shows ACTIVE for the maintenance message, continue the fault isolation at the subsequent step.

————— END OF TASK —————

802. Semi-Lever Gear Proximity Sensor (L) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71775.

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B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Do this check of the wiring (WDM 32-61-61):
 - (a) Remove the PSEU 1, M32021, from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DS32116 from the left main landing gear SEMI-LEVER GEAR PROX SENSOR.
 - (c) Do a wiring check between the pins of the connector DS32116, and connector DM32021AB at the E1-5 shelf (WDM 32-61-61).

DS32116	DM32021AB
pin 2	pin H1
pin 3	pin H2
- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) Re-connect connector DS32116.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then do these steps:
 - 1) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 2) Re-connect the connector DS32116.
 - 3) Continue with the procedure.
- (2) Replace the left main landing gear SEMI-LEVER GEAR PROX SENSOR, S32116.

These are the tasks:

Semi-Lever Gear Sensor Removal, AMM TASK 32-61-08-000-801,
Semi-Lever Gear Sensor Installation, AMM TASK 32-61-08-400-801.

 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the circuit card assembly CCA, Prox Driver, B07 in PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

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- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the PSEU 1, M32021.
These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (a) 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. Semi-Lever Gear Proximity Sensor (R) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72675.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 (WDM 32-61-61):
 - (a) Remove the PSEU 2, M32025, from the E4-1 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DS32216 from the right main landing gear SEMI-LEVER GEAR PROX SENSOR.
 - (c) Do a wiring check between the pins of the connector DS32216, and connector DM32025AB at the E1-5 shelf (WDM 32-61-62).

DS32216

pin 2 pin H1
pin 3 pin H2

DM32025AB

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) Re-connect connector DS32216.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then do these steps:
 - 1) Re-install the PSEU 2, M32025, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 2) Re-connect the connector DS32216.
 - 3) Continue with the procedure.
- (2) Replace the right main landing gear SEMI-LEVER GEAR PROX SENSOR, S32216.

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These are the tasks:

Semi-Lever Gear Sensor Removal, AMM TASK 32-61-08-000-801,

Semi-Lever Gear Sensor Installation, AMM TASK 32-61-08-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the circuit card assembly CCA, Prox Driver, B07 in PSEU 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the PSEU 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. Nose Landing Gear Proximity Sensor (PSEU 2) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-72570, 32-72580, 32-72590, 32-72600, 32-72610.

B. Description

- (1) 32-72570: The Nose Landing Gear Up 2 Proximity Sensor circuit is open or shorted.
- (2) 32-72580: The Nose Landing Gear Locked 2 Proximity Sensor circuit is open or shorted.
- (3) 32-72590: The Nose Landing Gear Down 2 Proximity Sensor circuit is open or shorted.
- (4) 32-72600: The Nose Landing Gear Not Compressed 2 Proximity Sensor circuit is open or shorted.
- (5) 32-72610: The Nose Landing Gear Door Closed 2 Proximity Sensor circuit is open or shorted.

NOTE: The nose landing gear lock actuator can cause this problem.

C. Possible Causes

- (1) Wiring
- (2) Nose Landing Gear Proximity Sensor
- (3) Circuit Card Assembly, Prox Driver in PSEU 2, M32025-B07
- (4) PSEU 2, M32025

D. Related Data

- (1) WDM 32-61-22
- (2) WDM 32-61-41

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E. Initial Evaluation

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

F. Fault Isolation Procedure

- (1) Check sensor health at target NEAR state. This is the task: Door and Landing Gear Proximity Sensor Test Using Breakout Box, AMM TASK 52-71-00-720-802.
 - (a) If inductance of sensor is properly rigged at NEAR state and maintenance message is still active, then do these steps:
 - 1) Replace the Circuit Card Assembly CCA, Prox Driver, B07 in PSEU 1. These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - a) Do a repair confirmation at the end of this task.
 - 2) Replace the PSEU 2, M32025. These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - a) Do a repair confirmation at the end of this task.
 - (b) If inductance is not properly rigged at NEAR state, do these steps:
 - 1) Check the sensor adjustment AMM 52-71.
 - a) If the sensor is properly adjusted, replace sensor. These are task:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - b) Check sensor health at target NEAR state. This is the task: Door and Landing Gear Proximity Sensor Test Using Breakout Box, AMM TASK 52-71-00-720-802.
 - 2) If necessary, rig the sensor.
 - 3) If the sensor is properly adjusted, replace the sensor. These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) Check sensor health at target NEAR state. This is the task: Door and Landing Gear Proximity Sensor Test Using Breakout Box, AMM TASK 52-71-00-720-802.
 - (c) Do the repair confirmation at the end of this task.
- (2) Do this check of the wiring (WDM 32-61-22 ,WDM 32-61-41):
 - (a) Remove the PSEU 2, M32025, from the E4-1 shelf. This is the task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) In the table below, find the electrical connector and the two pairs of pins for the applicable Proximity Sensor.

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Table 202/32-62-00-993-802 Nose Gear

MESSAGE NUMBER	SENSOR	EQUIP NUMBER	DM32025AB (PSEU CONN)	DS32XXX (SNSR CONN)
32-72580	LOCK	S32026	pin D7 pin D8	pin 2 pin 3
32-72570	UP	S32025	pin C7 pin C8	pin 2 pin 3
32-72590	DOWN	S32027	pin B7 pin B8	pin 2 pin 3
32-72610	DOOR CLOSED	S32034	pin E7 pin E8	pin 2 pin 3
32-72600	NOT COMP	S32028	pin A7 pin A8	pin 2 pin 3

	Nose Gear
	PSEU Connector
	Up Sensor S32025
Message Number 32-72570	DM32025AB
	pin C7 pin 2
	pin C8 pin 3

- (c) Disconnect the connector from the applicable Proximity Sensor.
- (d) Do a wiring check between the pairs of pins of connector DM32025AB at the E4-1 shelf and the connector at the Proximity Sensor (WDM 32-61-22,WDM 32-61-41):
- (e) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect the connector to the sensor.
 - 3) Re-install the PSEU 2, M32025, to the E4-1 shelf. This is the task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) Do the repair confirmation at the end of this task.
- (f) If you do not find a problem with the wiring, then continue:
 - 1) Re-connect the connector to the sensor.
 - 2) Re-install the PSEU 2, M32025, to the E4-1 shelf. This is the task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

(3) Replace the applicable Proximity Sensor:

- (a) Replace the Up, Down, Locked, or Not Compressed Sensor. These are the tasks:
 - Proximity Sensors for the Nose Landing Gear - Removal, AMM TASK 32-61-02-000-801
 - Proximity Sensors for the Nose Landing Gear - Installation, AMM TASK 32-61-02-400-801

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- (b) Replace the Door Closed Sensor. These are the tasks:
 - Door Closed Sensor Removal, AMM TASK 32-61-05-000-801
 - Door Closed Sensor Installation, AMM TASK 32-61-05-400-801
- (c) Do the repair confirmation at the end of this task.
- (4) Replace the Circuit Card Assembly CCA, Prox Driver, B07 in PSEU 1. These are the tasks:
 - PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801
 - PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801
- (a) Do the repair confirmation at the end of this task.
- (5) Replace the PSEU 2, M32025. These are the tasks:
 - Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801
 - Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801
- (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 problem.
- (2) If the MAT shows ACTIVE for the maintenance message, continue the fault isolation at the subsequent step.

————— END OF TASK —————

805. Landing Gear Alternate Extension Switch (PSEU 1) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71872.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) 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>
A	12	C32604	LDG GEAR ALTN EXT CTRL

- (2) Do this check of the wiring:
 - (a) Remove the PSEU 1, M32021, from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DM32002B from the landing gear ALTN EXT switch, S1, on the landing gear module, M32002 (Center Instrument Panel, P2) (WDM 32-61-11).
 - (c) Do a wiring check between these pins of the connector DM32002B at the landing gear ALTN EXT switch, S1, and connector DM32021AB at the E1-5 shelf (WDM 32-61-11).

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DM32002B

pin 4 pin K6

DM32021AB

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

- 1) Repair the wiring.
- 2) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- 3) Re-connect connector DM32002B.
- 4) 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>
A	12	C32604	LDG GEAR ALTN EXT CTRL

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

(e) If you do not find a problem with the wiring, then do these steps:

- 1) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- 2) Re-connect the connector DM32002B.
- 3) 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>
A	12	C32604	LDG GEAR ALTN EXT CTRL

- 4) Continue with the procedure.

(3) Replace the circuit card assembly CCA, Prox Driver, B07 in PSEU 1.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

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

(4) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

(a) 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. Landing Gear Alternate Extension Switch (PSEU 2) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72722.

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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) 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>
A	12	C32604	LDG GEAR ALTN EXT CTRL

- (2) Do this check of the wiring:

- (a) Remove the PSEU 2, M32025, from the E4-1 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (b) Disconnect connector DM32002B from the landing gear ALTN EXT switch, S1, on the landing gear module, M32002 (Center Instrument Panel, P2) (WDM 32-61-21).
- (c) Do a wiring check between these pins of the connector DM32002B at the landing gear ALTN EXT switch, S1, and connector DM32025AB at the E4-1 shelf (WDM 32-61-21).

DM32002B	DM32025AB
pin 9	pin K6

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

- 1) Repair the wiring.
- 2) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- 3) Re-connect connector DM32002B.
- 4) 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>
A	12	C32604	LDG GEAR ALTN EXT CTRL

- 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then do these steps:
 - 1) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 2) Re-connect the connector DM32002B.
 - 3) 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>
A	12	C32604	LDG GEAR ALTN EXT CTRL

- 4) Continue with the procedure.
- (3) Replace the circuit card assembly CCA, Prox Driver, B07 in PSEU 2.

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These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the PSEU 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. MLG Truck Tilt (PSEU 1) Target Far Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71910, 32-72010.

B. Initial Evaluation

- (1) If the indication does not show target FAR, or if the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the indication shows target FAR and 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 applicable target:

NOTE: When the airplane is on the ground, the correct proximity sensor signal is target FAR.
It is possible that unwanted material between the sensor and the target caused the fault.

- (a) Look for any unwanted material on the target.
- (b) Look for any damage of the target assembly near the sensor.
- (2) If there is unwanted material on the target, then do these steps:
 - (a) Remove the unwanted material.
 - 1) Look at the LANDING GEAR ACTN/INDN maintenance page on the multi-function display (MFD) and find the indication for the applicable sensor.
 - 2) If the indication shows target FAR and the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 3) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) If there is damage of the target, then do these steps:
 - (a) Replace the target.

These are the tasks:

Sensor Target Bracket Assembly Removal, AMM TASK 32-61-04-000-802,

Sensor Target Bracket Assembly Installation, AMM TASK 32-61-04-400-802.

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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 —————

808. MLG Up and Locked (PSEU 1) Target Far Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71920, 32-72020.

B. Initial Evaluation

- (1) If the indication does not show target FAR, or if the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the indication shows target FAR and 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 applicable target:

NOTE: When the airplane is on the ground, the correct proximity sensor signal is target FAR. It is possible that unwanted material between the sensor and the target caused the fault.

- (a) Look for any unwanted material on the target.
- (b) Look for any damage of the target assembly near the sensor.
- (2) If there is unwanted material on the target, then do these steps:
- (a) Remove the unwanted material.
- 1) Look at the LANDING GEAR ACTN/INDN maintenance page on the multi-function display (MFD) and find the indication for the applicable sensor.
- 2) If the indication shows target FAR and the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 3) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) If there is damage of the target, then do these steps:
- (a) Replace the target.
- (b) Measure and adjust the target if it is necessary. Measure and adjust the up and locked sensors. To measure/adjust the target, do this task: Measure and Adjust the Clearance for the Proximity Sensor on the Main Landing Gear, AMM TASK 32-61-01-820-801.
- (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (4) If there is no damage of the target, then do these steps:
- (a) Measure and adjust the target. To measure and adjust the target, do this task: Measure and Adjust the Clearance for the Proximity Sensor on the Main Landing Gear, AMM TASK 32-61-01-820-801.
- NOTE: Do the steps to measure and adjust the up and locked target only.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

————— END OF TASK —————

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809. MLG Truck Tilt (PSEU 2) Target Far Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-72760, 32-72860.

B. Initial Evaluation

- (1) If the indication does not show target FAR, or if the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the indication shows target FAR and 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 applicable target:

NOTE: When the airplane is on the ground, the correct proximity sensor signal is target FAR. It is possible that unwanted material between the sensor and the target caused the fault.

- (a) Look for any unwanted material on the target.
 - (b) Look for any damage of the target assembly near the sensor.
- (2) If there is unwanted material on the target, then do these steps:
 - (a) Remove the unwanted material.
 - 1) Look at the LANDING GEAR ACTN/INDN maintenance page on the multi-function display (MFD) and find the indication for the applicable sensor.
 - 2) If the indication shows target FAR and the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 3) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) If there is damage of the target, then do these steps:
 - (a) Replace the target.

These are the tasks:
Sensor Target Bracket Assembly Removal, AMM TASK 32-61-04-000-802,
Sensor Target Bracket Assembly Installation, AMM TASK 32-61-04-400-802.
 - (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** —————

810. MLG Up and Locked (PSEU 2) Target Far Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-72770, 32-72870.

B. Initial Evaluation

- (1) If the indication does not show target FAR, or if the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (2) If the indication shows target FAR and the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

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C. Fault Isolation Procedure

- (1) Do this check of the applicable target:

NOTE: When the airplane is on the ground, the correct proximity sensor signal is target FAR. It is possible that unwanted material between the sensor and the target caused the fault.

- (a) Look for any unwanted material on the target.
 - (b) Look for any damage of the target assembly near the sensor.
- (2) If there is unwanted material on the target, then do these steps:
 - (a) Remove the unwanted material.
 - 1) Look at the LANDING GEAR ACTN/INDN maintenance page on the multi-function display (MFD) and find the indication for the applicable sensor.
 - 2) If the indication shows target FAR and the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 3) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) If there is damage of the target, then do these steps:
 - (a) Replace the target.
 - (b) Measure and adjust the target if it is necessary. Measure and adjust the up and locked sensors. To measure/adjust the target, do this task: Measure and Adjust the Clearance for the Proximity Sensor on the Main Landing Gear, AMM TASK 32-61-01-820-801.
 - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (4) If there is no damage of the target, then do these steps:
 - (a) Measure and adjust the target. To measure and adjust the target, do this task: Measure and Adjust the Clearance for the Proximity Sensor on the Main Landing Gear, AMM TASK 32-61-01-820-801.

NOTE: Do the steps to measure and adjust the up and locked target only.
 - (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** —————

811. Main Landing Gear Proximity Sensor (PSEU 1) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71770, 32-71780, 32-71790, 32-71800, 32-71810, 32-71830, 32-71840, 32-71850, 32-71860, 32-71870.

B. Description

- (1) 32-71770: Left Main Landing Gear Truck Tilt 1 Proximity Sensor circuit is open or shorted.
- (2) 32-71780: Left Main Landing Gear Up & Locked 1 Proximity Sensor circuit is open or shorted.
- (3) 32-71790: Left Main Landing Gear Drag Brace Down 1 Proximity Sensor circuit is open or shorted.
- (4) 32-71800: Left Main Landing Gear Side Brace Down 1 Proximity Sensor circuit is open or shorted.
- (5) 32-71810: Left Main Landing Gear Door Closed 1 Proximity Sensor circuit is open or shorted.
- (6) 32-71830: Right Main Landing Gear Truck Tilt 1 Proximity Sensor circuit is open or shorted.

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- (7) 32-71840: Right Main Landing Gear Up and Locked 1 Proximity Sensor circuit is open or shorted.
- (8) 32-71850: Right Main Landing Gear Drag Brace Down 1 Proximity Sensor circuit is open or shorted.
- (9) 32-71860: Right Main Landing Gear Side Brace Down 1 Proximity Sensor circuit is open or shorted.
- (10) 32-71870: Right Main Landing Gear Door Closed 1 Proximity Sensor circuit is open or shorted.

C. Possible Causes

- (1) Wiring
- (2) Left Main Landing Gear Proximity Sensor
- (3) Right Main Landing Gear Proximity Sensor
- (4) Circuit Card Assembly, Prox Driver in PSEU 1, M32021-B07
- (5) PSEU 1, M32021

D. Related Data

- (1) WDM 32-61-12
- (2) WDM 32-61-41
- (3) WDM 32-61-51

E. Initial Evaluation

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

F. Fault Isolation Procedure

- (1) Check sensor health at target NEAR state. This is the task: Door and Landing Gear Proximity Sensor Test Using Breakout Box, AMM TASK 52-71-00-720-802.
 - (a) If inductance of sensor is properly rigged at NEAR state and maintenance message is still active, then do these steps:
 - 1) Replace the Circuit Card Assembly CCA, Prox Driver, B07 in PSEU 1. These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - a) Do a repair confirmation at the end of this task.
 - 2) Replace the PSEU 1, M32021. These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - a) Do a repair confirmation at the end of this task.
 - (b) If inductance is not properly rigged at NEAR state, do these steps:
 - 1) Check the sensor adjustment AMM 52-71.
 - a) If the sensor is properly adjusted, replace sensor. These are task:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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- b) Check sensor health at target NEAR state. This is the task: Door and Landing Gear Proximity Sensor Test Using Breakout Box, AMM TASK 52-71-00-720-802.
- 2) If necessary, rig the sensor.
- 3) If the sensor is properly adjusted, replace the sensor. These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- 4) Check sensor health at target NEAR state. This is the task: Door and Landing Gear Proximity Sensor Test Using Breakout Box, AMM TASK 52-71-00-720-802.
- (c) Do the repair confirmation at the end of this task.
- (2) Do this check of the wiring between the PSEU 1 and the connector for the applicable Proximity Sensor:
- (a) Remove the PSEU 1, M32021. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (b) In the table below, find the electrical connector and the two pairs of pins for the applicable Proximity Sensor (WDM 32-61-12, WDM 32-61-41, WDM 32-61-51):

Table 203/32-62-00-993-803 Left Main Gear

MESSAGE NUMBER	SENSOR	EQUIP NUMBER	DM32021AB (PSEU CONN)		DS32XXX (SNSR CONN)
32-71780	UP LOCK	S32107	pin C4	----	pin 2
			pin C5	----	pin 3
32-71800	SIDE BRACE	S32109	pin A4	----	pin 2
			pin A5	----	pin 3
32-71790	DRAG BRACE	S32108	pin B4	----	pin 2
			pin B5	----	pin 3
32-71810	DOOR CLOSED	S32114	pin E4	----	pin 2
			pin E5	----	pin 3
32-71770	TRUCK TILT	S32106	pin D4	----	pin 2
			pin D5	----	pin 3

Table 204/32-62-00-993-804 Right Main Gear

MESSAGE NUMBER	SENSOR	EQUIP NUMBER	DM32021AB (PSEU CONN)		DS32XXX (SNSR CONN)
32-71840	UP LOCK	S32207	pin C1	----	pin 2
			pin C2	----	pin 3
32-71860	SIDE BRACE	S321209	pin A1	----	pin 2
			pin A2	----	pin 3
32-71750	DRAG BRACE	S32208	pin B1	----	pin 2
			pin B2	----	pin 3

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Table 204/32-62-00-993-804 Right Main Gear (Continued)

32-71870	DOOR CLOSED	S32214	pin E1	----	pin 2
			pin E2	----	pin 3
32-71830	TRUCK TILT	S32206	pin D1	----	pin 2
			pin D2	----	pin 3

Right Main Gear

Message	PSEU Connector	Door Closed Sensor S32214 Connector
	DM32021AB	DS32214
32-71870	pin E1	pin 2
	pin E2	pin 3

Right Main Gear

Message	PSEU Connector	Truck Tilt Sensor S322106Connector
	DM32021AB	DS32206
32-71830	pin D1	pin 2
	pin D2	pin 3

- (c) Disconnect the connector from the applicable Proximity Sensor.
- (d) Do a wiring check between the pairs of pins of connector DM32021AB at the E1-5 shelf and the connector at the applicable Proximity Sensor.
- (e) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) Re-connect the connector to the applicable Proximity Sensor.
 - 3) Re-install the PSEU 1, M32021. This is the task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) Do the repair confirmation at the end of this task.
- (f) If you do not find a problem with the wiring, then do these steps:
- 1) Re-install the PSEU 1, M32021. This is the task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 2) Continue with the procedure.
- (3) Replace the applicable Proximity Sensor.
- (a) Replace the Side Brace Down, Drag Brace Down, Up and Locked Sensors. These are the tasks:
- Proximity Sensors for the Main Landing Gear Removal, AMM TASK 32-61-01-000-801
 - Proximity Sensors for the Main Landing Gear Installation, AMM TASK 32-61-01-400-801
- (b) Replace the Truck Tilt Sensors. These are the tasks:

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- Truck Tilt Sensor Removal, AMM TASK 32-61-03-000-801
- Truck Tilt Sensor Installation, AMM TASK 32-61-03-400-801
- (c) Replace the Door Closed Sensors. These are the tasks:
 - Door Closed Sensor Removal, AMM TASK 32-61-06-000-801
 - Door Closed Sensor Installation, AMM TASK 32-61-06-400-801
- (d) Do the repair confirmation at the end of this task.
- (4) Replace the Circuit Card Assembly CCA, Prox Driver, B07 in PSEU 1. These are the tasks:
 - PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801
 - PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801
- (a) Do the repair confirmation at the end of this task.
- (5) Replace the PSEU 1, M32021. These are the tasks:
 - Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801
 - Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801
- (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 problem.
- (2) If the MAT shows ACTIVE for the maintenance message, continue the fault isolation at the subsequent step.

————— END OF TASK —————

812. Main Landing Gear Proximity Sensor (PSEU 2) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-72620, 32-72630, 32-72640, 32-72650, 32-72660, 32-72670, 32-72680, 32-72690, 32-72700, 32-72710.

B. Description

- (1) 32-72620: Left Main Landing Gear Truck Tilt 2 Proximity Sensor circuit is open or shorted.
- (2) 32-72630: Left Main Landing Gear Up & Locked 2 Proximity Sensor circuit is open or shorted.
- (3) 32-72640: Left Main Landing Gear Drag Brace Down 2 Proximity Sensor circuit is open or shorted.
- (4) 32-72650: Left Main Landing Gear Side Brace Down 2 Proximity Sensor circuit is open or shorted.
- (5) 32-72660: Left Main Landing Gear Door Closed 2 Proximity Sensor circuit is open or shorted.
- (6) 32-72670: Right Main Landing Gear Truck Tilt 2 Proximity Sensor circuit is open or shorted.
- (7) 32-72680: Right Main Landing Gear Up and Locked 2 Proximity Sensor circuit is open or shorted.
- (8) 32-72690: Right Main Landing Gear Drag Brace Down 2 Proximity Sensor circuit is open or shorted.
- (9) 32-72700: Right Main Landing Gear Side Brace Down 2 Proximity Sensor circuit is open or shorted.
- (10) 32-72710: Right Main Landing Gear Door Closed 2 Proximity Sensor circuit is open or shorted.

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C. Possible Causes

- (1) Wiring
- (2) Left Main Landing Gear Proximity Sensor
- (3) Right Main Landing Gear Proximity Sensor
- (4) Circuit Card Assembly, Prox Driver in PSEU 2, M32025-B07
- (5) PSEU 2, M32025

D. Related Data

- (1) WDM 32-61-22
- (2) WDM 32-61-41
- (3) WDM 32-61-51

E. Initial Evaluation

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

F. Fault Isolation Procedure

- (1) Check sensor health at target NEAR state. This is the task: Door and Landing Gear Proximity Sensor Test Using Breakout Box, AMM TASK 52-71-00-720-802.
 - (a) If inductance of sensor is properly rigged at NEAR state and maintenance message is still active, then do these steps:
 - 1) Replace the Circuit Card Assembly CCA, Prox Driver, B07 in PSEU 1. These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - a) Do a repair confirmation at the end of this task.
 - 2) Replace the PSEU 2, M32025. These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - a) Do a repair confirmation at the end of this task.
 - (b) If inductance is not properly rigged at NEAR state, do these steps:
 - 1) Check the sensor adjustment AMM 52-71.
 - a) If the sensor is properly adjusted, replace sensor. These are task:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - b) Check sensor health at target NEAR state. This is the task: Door and Landing Gear Proximity Sensor Test Using Breakout Box, AMM TASK 52-71-00-720-802.
 - 2) If necessary, rig the sensor.
 - 3) If the sensor is properly adjusted, replace the sensor. These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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- 4) Check sensor health at target NEAR state. This is the task: Door and Landing Gear Proximity Sensor Test Using Breakout Box, AMM TASK 52-71-00-720-802.
- (c) Do the repair confirmation at the end of this task.
- (2) Do this check of the wiring between the PSEU 2 and the connector for the applicable Proximity Sensor:
 - (a) Remove the PSEU 2, M32025. This is the task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) In the table below, find the electrical connector and the two pairs of pins for the applicable Proximity Sensor (WDM 32-61-22, WDM 32-61-41, WDM 32-61-51):

Table 205/32-62-00-993-805 Left Main Gear

MESSAGE NUMBER	SENSOR	EQUIP NUMBER	DM32025AB (PSEU CONN)		DS32XXX (SNSR CONN)
32-72630	UP LOCK	S32111	pin C4	----	pin 2
			pin C5	----	pin 3
32-72650	SIDE BRACE	S32113	pin A4	----	pin 2
			pin A5	----	pin 3
32-72640	DRAG BRACE	S32112	pin B4	----	pin 2
			pin B5	----	pin 3
32-72660	DOOR CLOSED	S32115	pin E4	----	pin 2
			pin E5	----	pin 3
32-72620	TRUCK TILT	S32110	pin D4	----	pin 2
			pin D5	----	pin 3

Table 206/32-62-00-993-806 Right Main Gear

MESSAGE NUMBER	SENSOR	EQUIP NUMBER	DM32025AB (PSEU CONN)		DS32XXX (SNSR CONN)
32-72680	UP LOCK	S32211	pin C1	----	pin 2
			pin C2	----	pin 3
32-72700	SIDE BRACE	S32213	pin A1	----	pin 2
			pin A2	----	pin 3
32-72690	DRAG BRACE	S32212	pin B1	----	pin 2
			pin B2	----	pin 3
32-72710	DOOR CLOSED	S32215	pin E1	----	pin 2
			pin E2	----	pin 3
32-72670	TRUCK TILT	S32210	pin D1	----	pin 2
			pin D2	----	pin 3

- (c) Disconnect the connector from the applicable Proximity Sensor.
- (d) Do a wiring check between the pairs of pins of connector DM32025AB at the E4-1 shelf and the connector at the applicable Proximity Sensor.

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- (e) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect the connector to the applicable Proximity Sensor.
 - 3) Re-install the PSEU 2, M32025. This is the task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) Do the repair confirmation at the end of this task.
- (f) If you do not find a problem with the wiring, then do these steps:
 - 1) Re-install the PSEU 2, M32025, to the E4-1 shelf. This is the task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 2) Continue with the procedure.
- (3) Replace the applicable Proximity Sensor:
 - (a) Replace the Side Brace Down, Drag Brace Down, Up and Locked Sensors. These are the tasks:
 - Proximity Sensors for the Main Landing Gear Removal, AMM TASK 32-61-01-000-801
 - Proximity Sensors for the Main Landing Gear Installation, AMM TASK 32-61-01-400-801
 - (b) Replace the Truck Tilt Sensors. These are the tasks:
 - Truck Tilt Sensor Removal, AMM TASK 32-61-03-000-801
 - Truck Tilt Sensor Installation, AMM TASK 32-61-03-400-801
 - (c) Replace the Door Closed Sensors. These are the tasks:
 - Door Closed Sensor Removal, AMM TASK 32-61-06-000-801
 - Door Closed Sensor Installation, AMM TASK 32-61-06-400-801
 - (d) Do the repair confirmation at the end of this task.
- (4) Replace the Circuit Card Assembly CCA, Prox Driver, B07 in PSEU 2. These are the tasks:
 - PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801
 - PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801
- (a) Do the repair confirmation at the end of this task.
- (5) Replace the PSEU 2, M32025. These are the tasks:
 - Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801
 - Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801
- (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 problem.
- (2) If the MAT shows ACTIVE for the maintenance message, continue the fault isolation at the subsequent step.

————— END OF TASK —————

813. Landing Gear Control Lever (PSEU 1) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71874.

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B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Do this check of the wiring:
 - (a) Remove the PSEU 1, M32021, from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DM32057A from the P2-2 panel (WDM 32-61-11).
 - (c) Do a wiring check between these pins of the connector DM32057A at the module, M32057, and the connector DM32021AB at the E1-5 shelf (WDM 32-61-11).

DM32057A

pin 6 pin K2
pin 7 pin K1
pin 8 pin K5

DM32021AB

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DM32057A.
 - 3) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then do these steps:
 - 1) Re-connect connector DM32057A.
 - 2) Re-install the PSEU 1, M32021, to the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) Continue with the procedure.
- (2) Replace the circuit card assembly CCA, Prox Driver, B07 in PSEU 1.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PSEU 1, M32021.
These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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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** —————

814. Landing Gear Control Lever (PSEU 1) Input Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71876.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 (WDM 32-31-11):
- (a) Open the Overhead Circuit Breaker Panel, P11.
- (b) Do a check for 28 VDC at the load terminal of circuit breaker C32607.
- (c) If there is not 28 VDC at the circuit breaker, then do these steps:

- 1) Replace this circuit breaker:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
G	10	C32607	LDG GEAR EXTD/RETR 1

- 2) 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 28 VDC at the circuit breaker, then continue.

- (e) Do this check of the wiring (WDM 32-31-11):

- 1) Do a check for 28 VDC at the load terminal of circuit breaker C32616.
- 2) If there is not 28 VDC at the circuit breaker, then do these steps:
- a) Replace this circuit breaker:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
G	9	C32616	LDG GEAR RETR AUTO OFF

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

- 3) If there is 28 VDC at the circuit breaker, then continue.

- (2) Do this check of the wiring from C32607 to the landing gear control module, M32057 (WDM 32-31-11):

- (a) Disconnect connector DM32057A from the P2-2 panel .
- (b) Do a wiring check between the load terminal of C32607 and pin 18 of connector DM32057A at the landing gear control lever module, M32057 .
- (c) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.

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- 2) Re-connect connector DM32057A.
- 3) Close the overhead circuit breaker panel, P11.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (d) If you do not find a problem with the wiring, then continue.
- (e) Re-connect connector DM32057A.
- (3) Do this check of the wiring from C32616 to the auto-off relay A1, K32014 (WDM 32-31-11):
 - (a) Open the left power management panel, P110.
 - (b) Disconnect connector DK32014 from the left power management panel, P110.
 - (c) Do a wiring check between the load terminal of C32616 and pin X1 at the auto-off relay A1, K32014 .
 - (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Close the left power management panel, P110.
 - 3) Close the overhead circuit breaker panel, P11.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (e) If you do not find a problem with the wiring, then continue.
 - (f) Re-connect connector DK32014.
 - (g) Close the overhead circuit breaker panel, P11.
- (4) Do this check of the wiring from AE0231 to the NLG SEL/BYPASS VLV, M32033 (WDM 32-31-11):
 - (a) Disconnect connector D4192P and D4735P from the AE0231, Bracket-Integration-Left.
 - (b) Disconnect connector DM32033A and DM32033B from the NLG SEL/BYPASS VLV, M32033.
 - (c) Do a wiring check between these pins of the connector D4192P and the connector DM32033A.

D4192P	DM32033A
pin 1	pin 5
pin 2	pin 6
pin 3	pin 3

- (d) Do a wiring check between these pins of the connector D4735P and the connector DM32033B.

D4735P	DM32033B
pin 1	pin 5
pin 2	pin 6
pin 3	pin 3

- (e) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connectors D4192P, D4735P, DM32033A, DM32033B.

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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 continue.
- (g) Re-connect connectors D4192P, D4735P, DM32033A, DM32033B.
- (5) Do this check of the wiring to the MLG SEL/BYPASS VLV, M32032 (WDM 32-31-11):
 - (a) Disconnect connector D5703P from the AE0231, Bracket-Integration-Left.
 - (b) Disconnect connector D4719P from the P105, Integration Panel-Left.
 - (c) Disconnect connector DM32032A and DM32032B from the MLG SEL/BYPASS VLV, M32032.
 - (d) Do a wiring check between these pins of the connector D4192P and the connector DM32033A.

D4719P	DM32032A
pin F	pin 5
pin G	pin 6
pin H	pin 3

- (e) Do a wiring check between these pins of the connector D5703P and the connector DM32032B.

D5703P	DM32032B
pin 15	pin 5
pin 19	pin 6
pin 17	pin 3

- (f) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connectors D5703P, D4719P, DM32032A, DM32032B.
 - 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (g) If you do not find a problem with the wiring, then continue.
- (h) Re-connect connectors D4192P, D4735P, DM32033A, DM32033B.
- (6) Replace the landing gear control lever module, M32057.

These are the tasks:

Landing Gear Control Lever Module Removal, AMM TASK 32-31-01-020-801,

Landing Gear Control Lever Module Installation, AMM TASK 32-31-01-420-801.

 - (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.
- (7) Replace the auto-off relay A1, K32014 in the left power management panel, P110.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (8) Replace the circuit card assembly CCA, Prox Driver, B07 in PSEU 1.

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These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (9) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (10) Replace the NLG SEL/BYPASS VLV, M32033.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (11) Replace the MLG SEL/BYPASS VLV, M32032.
- (a) If the MAT shows NOT ACTIVE for the maintenance 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. Landing Gear Control Lever (PSEU 2) Input Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72276.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 (WDM 32-31-11):
- (a) Do a check for 28 VDC at the load terminal of circuit breaker C32608.
 - (b) If there is not 28 VDC at the circuit breaker, then do these steps:
 - 1) Replace this circuit breaker:

Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	23	C32608	LDG GEAR EXTD/RETR 2

- 2) 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 28 VDC at the circuit breaker, then continue.

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- (d) Do this check of the wiring (WDM 32-31-11):
- 1) Do a check for 28 VDC at the load terminal of circuit breaker C32616.
 - 2) If there is not 28 VDC at the circuit breaker, then do these steps:
 - a) Replace this circuit breaker:
Overhead Circuit Breaker Panel, P11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
G	9	C32616	LDG GEAR RETR AUTO OFF
 - b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 3) If there is 28 VDC at the circuit breaker, then continue.
- (2) Do this check of the wiring from C32608 to the landing gear control module, M32057 (WDM 32-31-11):
- (a) Disconnect connector DM32057B from the P2-2 panel .
 - (b) Do a wiring check between the load terminal of C32608 and pin 18 of connector DM32057B at the landing gear control lever module, M32057 .
 - (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DM32057B.
 - 3) Close the overhead circuit breaker panel, P11.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (d) If you do not find a problem with the wiring, then continue.
 - (e) Re-connect connector DM32057B.
- (3) Do this check of the wiring from C32616 to the auto-off relay B1, K32016 (WDM 32-31-11):
- (a) Open the standby power management panel, P310.
 - (b) Disconnect connector DK32016 from the standby power management panel, P310.
 - (c) Do a wiring check between the load terminal of C32616 and pin X1 at the auto-off relay B1, K32016 .
 - (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Close the standby power management panel, P310.
 - 3) Close the overhead circuit breaker panel, P11.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (e) If you do not find a problem with the wiring, then continue.
 - (f) Re-connect connector DK32016.
 - (g) Close the overhead circuit breaker panel, P11.
- (4) Do this check of the wiring from AE0231 to the NLG SEL/BYPASS VLV, M32033 (WDM 32-31-11):
- (a) Disconnect connector D4192P and D4735P from the AE0231, Bracket-Integration-Left.

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- (b) Disconnect connector DM32033A and DM32033B from the NLG SEL/BYPASS VLV, M32033.
- (c) Do a wiring check between these pins of the connector D4192P and the connector DM32033A.

D4192P	DM32033A
pin 1	pin 5
pin 2	pin 6
pin 3	pin 3

- (d) Do a wiring check between these pins of the connector D4735P and the connector DM32033B.

D4735P	DM32033B
pin 1	pin 5
pin 2	pin 6
pin 3	pin 3

- (e) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connectors D4192P, D4735P, DM32033A, DM32033B.
 - 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 continue.
- (g) Re-connect connectors D4192P, D4735P, DM32033A, DM32033B.
- (5) Do this check of the wiring to the MLG SEL/BYPASS VLV, M32032 (WDM 32-31-11):
 - (a) Disconnect connector D5703P from the AE0231, Bracket-Integration-Left.
 - (b) Disconnect connector D4719P from the P105, Integration Panel-Left.
 - (c) Disconnect connector DM32032A and DM32032B from the MLG SEL/BYPASS VLV, M32032.
 - (d) Do a wiring check between these pins of the connector D4192P and the connector DM32033A.

D4719P	DM32032A
pin F	pin 5
pin G	pin 6
pin H	pin 3

- (e) Do a wiring check between these pins of the connector D5703P and the connector DM32032B.

D5703P	DM32032B
pin 15	pin 5
pin 19	pin 6
pin 17	pin 3

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

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- 2) Re-connect connectors D5703P, D4719P, DM32032A, DM32032B.
- 3) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (g) If you do not find a problem with the wiring, then continue.
- (h) Re-connect connectors D4192P, D4735P, DM32033A, DM32033B.
- (6) Replace the landing gear control lever module, M32057.
These are the tasks:
Landing Gear Control Lever Module Removal, AMM TASK 32-31-01-020-801,
Landing Gear Control Lever Module Installation, AMM TASK 32-31-01-420-801.
 - (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.
- (7) Replace the auto-off relay B1, K32016 in the standby power management panel, P310.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (8) Replace the circuit card assembly CCA, Prox Driver, B07 in PSEU 2.
These are the tasks:
PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (9) Replace the PSEU 2, M32025.
These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (10) Replace the NLG SEL/BYPASS VLV, M32033.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (11) Replace the MLG SEL/BYPASS VLV, M32032.
 - (a) If the MAT shows NOT ACTIVE for the maintenance 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** —————

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816. Landing Gear Control Lever (PSEU 2) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72274.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 PSEU 2, M32025, from the E4-1 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DM32057B from the P2-2 panel (WDM 32-61-21).
 - (c) Do a wiring check between these pins of the connector DM32057B at the module, M32057, and the connector DM32025AB at the E4-1 shelf (WDM 32-61-21).

DM32057A	DM32025AB
pin 6	pin K2
pin 7	pin K1
pin 8	pin K5

 - (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect connector DM32057B.
 - 3) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (e) If you do not find a problem with the wiring, then do these steps:
 - 1) Re-connect connector DM32057B.
 - 2) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 3) Continue with the procedure.
- (2) Replace the circuit card assembly CCA, Prox Driver, B07 in PSEU 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the PSEU 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

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Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the lever landing gear control lever module, M32057.

These are the tasks:

Landing Gear Control Lever Module Removal, AMM TASK 32-31-01-020-801,

Landing Gear Control Lever Module Installation, AMM TASK 32-31-01-420-801.

- (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** —————

817. MLG Proximity Sensor (PSEU 1) Target Near Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71880, 32-71890, 32-71900, 32-71980, 32-71990, 32-72000.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 applicable target:
 - (a) Look for any damage of the target near the sensor.
 - (b) If there is damage of the target, then do these steps:
 - 1) For the door closed target:
 - a) Replace the target.
 - b) Measure and adjust the target if it is necessary. To measure/adjust the target, do this task: Door Closed Sensor Removal, AMM TASK 32-61-06-000-801.
NOTE: Do the steps for the door closed sensor only.
 - 2) For the side brace target:
 - a) Replace the target.
 - b) Measure and adjust the target if it is necessary. To measure/adjust the target, do this task: Measure and Adjust the Clearance for the Proximity Sensor on the Main Landing Gear, AMM TASK 32-61-01-820-801.
NOTE: Do the steps for the side brace down sensor only.
 - 3) For the drag brace target:
 - a) Replace the target.
 - b) Measure and adjust the target if it is necessary. To measure/adjust the target, do this task: Measure and Adjust the Clearance for the Proximity Sensor on the Main Landing Gear, AMM TASK 32-61-01-820-801.
NOTE: Do the steps for the drag brace down sensor only.

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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.
- (c) If there is no damage of the target, then do these steps:
 - 1) For the door closed target:
 - a) Measure and adjust the clearance for the target, do this task: Door Closed Sensor Removal, AMM TASK 32-61-06-000-801.
NOTE: Do the steps for the door closed sensor only.
 - 2) For the side brace target:
 - a) Measure and adjust the clearance for the target, do this task: Measure and Adjust the Clearance for the Proximity Sensor on the Main Landing Gear, AMM TASK 32-61-01-820-801.
NOTE: Do the steps for the side brace down sensor only.
 - 3) For the drag brace target:
 - a) Measure and adjust the clearance for the target, do this task: Measure and Adjust the Clearance for the Proximity Sensor on the Main Landing Gear, AMM TASK 32-61-01-820-801.
NOTE: Do the steps for the drag brace down sensor only.
 - 4) 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. MLG Proximity Sensor (PSEU 2) Target Near Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-72730, 32-72740, 32-72750, 32-72830, 32-72840, 32-72850.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 applicable target:
 - (a) Look for any damage of the target near the sensor.
 - (b) If there is damage of the target, then do these steps:
 - 1) For the door closed target:
 - a) Replace the target.
 - b) Measure and adjust the target if it is necessary. To measure/adjust the target, do this task: Door Closed Sensor Removal, AMM TASK 32-61-06-000-801.
NOTE: Do the steps for the door closed sensor only.
 - 2) For the side brace target:
 - a) Replace the target.

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- b) Measure and adjust the target if it is necessary. To measure/adjust the target, do this task: Measure and Adjust the Clearance for the Proximity Sensor on the Main Landing Gear, AMM TASK 32-61-01-820-801.

NOTE: Do the steps for the side brace down sensor only.

- 3) For the drag brace target:

- a) Replace the target.
- b) Measure and adjust the target if it is necessary. To measure/adjust the target, do this task: Measure and Adjust the Clearance for the Proximity Sensor on the Main Landing Gear, AMM TASK 32-61-01-820-801.

NOTE: Do the steps for the drag brace down sensor only.

- 4) 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 no damage of the target, then do these steps:

- 1) For the door closed target:

- a) Measure and adjust the target if it is necessary. To measure/adjust the target, do this task: Door Closed Sensor Removal, AMM TASK 32-61-06-000-801.

NOTE: Do the steps for the door closed sensor only.

- 2) For the side brace target:

- a) Measure and adjust the target if it is necessary. To measure/adjust the target, do this task: Measure and Adjust the Clearance for the Proximity Sensor on the Main Landing Gear, AMM TASK 32-61-01-820-801.

NOTE: Do the steps for the side brace down sensor only.

- 3) For the drag brace target:

- a) Measure and adjust the target if it is necessary. To measure/adjust the target, do this task: Measure and Adjust the Clearance for the Proximity Sensor on the Main Landing Gear, AMM TASK 32-61-01-820-801.

NOTE: Do the steps for the drag brace down sensor only.

- 4) 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. NLG Proximity Sensor (PSEU 1) Target Near Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71930, 32-71940, 32-71950.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 applicable target:
 - (a) Look for any damage of the target near the sensor.
 - (b) If there is damage of the target, then do these steps:

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- 1) For the nose landing gear door closed target:
 - a) Replace the target.
 - b) Measure and adjust the target if it is necessary. To measure/adjust the target, do this task: Measure and Adjust the Clearance for the Door Closed Sensor, AMM TASK 32-61-05-820-801.
 - 2) For the nose landing gear down target:
 - a) Replace the target.
 - b) Measure and adjust the target if it is necessary. To measure/adjust the target, do this task: Measure and Adjust the Clearance for the Proximity Sensors on the Nose Landing Gear, AMM TASK 32-61-02-820-801.
NOTE: Do the steps for the down sensor only.
 - 3) For the nose landing gear locked target:
 - a) Replace the target.
 - b) Measure and adjust the target if it is necessary. To measure/adjust the target, do this task: Measure and Adjust the Clearance for the Proximity Sensors on the Nose Landing Gear, AMM TASK 32-61-02-820-801.
NOTE: Do the steps for the locked sensor only.
 - 4) 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 no damage of the target, then do these steps:
- 1) For the nose landing gear door closed target:
 - a) Measure and adjust the target, do this task: Measure and Adjust the Clearance for the Door Closed Sensor, AMM TASK 32-61-05-820-801.
 - 2) For the nose landing gear down target:
 - a) Measure and adjust the target, do this task: Measure and Adjust the Clearance for the Proximity Sensors on the Nose Landing Gear, AMM TASK 32-61-02-820-801.
NOTE: Do the steps for the down sensor only.
 - 3) For the nose landing gear locked target:
 - a) Measure and adjust the target, do this task: Measure and Adjust the Clearance for the Proximity Sensors on the Nose Landing Gear, AMM TASK 32-61-02-820-801.
NOTE: Do the steps for the locked sensor only.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
NOTE: The nose landing gear lock actuator can cause this problem.

————— **END OF TASK** —————

820. NLG Proximity Sensor (PSEU 1) Target Far Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-71960, 32-71970.

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B. Initial Evaluation

- (1) Look at the LANDING GEAR ACTN/INDN maintenance page (on MFD) and find the indication for the applicable sensor.
- (2) If the indication does not show target FAR, or if the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (3) If the indication shows target FAR and 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 applicable target:

NOTE: When the airplane is on the ground, the correct proximity sensor signal is target FAR. It is possible that unwanted material between the sensor and the target caused the fault.

- (a) Look for any unwanted material on the target.
 - (b) Look for any damage of the target assembly near the sensor.
- (2) If there is unwanted material on the target, then do these steps:
 - (a) Remove the unwanted material.
 - 1) Look at the LANDING GEAR ACTN/INDN maintenance page on the multi-function display (MFD) and find the indication for the applicable sensor.
 - 2) If the indication shows target FAR and the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 3) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) If there is damage of the target, then do these steps:
 - (a) Replace the target.
 - (b) Measure and adjust the target if it is necessary. To measure/adjust the target, do this task: Measure and Adjust the Clearance for the Proximity Sensors on the Nose Landing Gear, AMM TASK 32-61-02-820-801.
 - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (4) If there is no damage of the target, then do these steps:
 - (a) Measure and adjust the clearance of the target, do this task: Measure and Adjust the Clearance for the Proximity Sensors on the Nose Landing Gear, AMM TASK 32-61-02-820-801.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (5) Do a check of the Nose Landing Gear Servicing. Do this task: Nose Landing Gear Shock Strut Check (In-Service), AMM TASK 12-15-02-610-809-002.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

NOTE: The nose landing gear lock actuator can cause this problem.

————— **END OF TASK** —————

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821. NLG Proximity Sensor (PSEU 2) Target Near Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-72780, 32-72790, 32-72800.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 applicable target:
 - (a) Look for any damage of the target near the sensor.
- (2) If there is damage of the target, then do these steps:
 - (a) For the nose landing gear door closed target:
 - 1) Replace the target.
 - 2) Measure and adjust the target if it is necessary. To measure/adjust the target, do this task: Measure and Adjust the Clearance for the Door Closed Sensor, AMM TASK 32-61-05-820-801.
 - (b) For the nose landing gear down target:
 - 1) Replace the target.
 - 2) Measure and adjust the target if it is necessary. To measure/adjust the target, do this task: Measure and Adjust the Clearance for the Proximity Sensors on the Nose Landing Gear, AMM TASK 32-61-02-820-801.
NOTE: Do the steps for the down sensor only.
 - (c) For the nose landing gear locked target:
 - 1) Replace the target.
 - 2) Measure and adjust the target if it is necessary. To measure/adjust the target, do this task: Measure and Adjust the Clearance for the Proximity Sensors on the Nose Landing Gear, AMM TASK 32-61-02-820-801.
NOTE: Do the steps for the locked sensor only.
 - (d) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) If there is no damage of the target, then do these steps:
 - (a) For the nose landing gear door closed target:
 - 1) Measure and adjust the clearance of the target, do this task: Measure and Adjust the Clearance for the Door Closed Sensor, AMM TASK 32-61-05-820-801.
 - (b) For the nose landing gear down target:
 - 1) Measure and adjust the clearance of the target, do this task: Measure and Adjust the Clearance for the Proximity Sensors on the Nose Landing Gear, AMM TASK 32-61-02-820-801.
NOTE: Do the steps for the down sensor only.
 - 2) For the nose landing gear locked target:

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- 3) Measure and adjust the clearance of the target, do this task: Measure and Adjust the Clearance for the Proximity Sensors on the Nose Landing Gear, AMM TASK 32-61-02-820-801.

NOTE: Do the steps for the locked sensor only.

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

NOTE: The nose landing gear lock actuator can cause this problem.

———— **END OF TASK** ————

822. NLG Proximity Sensor (PSEU 2) Target Far Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-72810, 32-72820.

B. Initial Evaluation

- (1) Look at the LANDING GEAR ACTN/INDN maintenance page (on MFD) and find the indication for the applicable sensor.
- (2) If the indication does not show target FAR, or if the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (3) If the indication shows target FAR and 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 applicable proximity:

NOTE: When the airplane is on the ground, the correct proximity sensor signal is target FAR. It is possible that unwanted material between the sensor and the target caused the fault.

- (a) Look for any unwanted material on the sensor.
- (b) Look for damage of the target or the mounting bracket near the sensor.
- (2) If there is unwanted material near the sensor, then do these steps:
 - (a) Remove the unwanted material.
 - 1) Look at the LANDING GEAR ACTN/INDN maintenance page (on MFD) and find the indication for the applicable sensor.
 - 2) If the indication shows target FAR and the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 3) If the indication does not shows target FAR, or if the MAT shows ACTIVE for the maintenance message, then continue.
- (3) If there is damage of the target, then do these steps:
 - (a) Replace the target.
 - (b) Measure and adjust the target if it is necessary. To measure/adjust the target, do this task: Measure and Adjust the Clearance for the Proximity Sensors on the Nose Landing Gear, AMM TASK 32-61-02-820-801.
 - (c) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (4) If there is no damage of the target, then do these steps:

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- (a) Measure and adjust the clearance for the target, do this task: Measure and Adjust the Clearance for the Proximity Sensors on the Nose Landing Gear, AMM TASK 32-61-02-820-801.
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (5) Do a check of the Nose Landing Gear Servicing. Do this task: Nose Landing Gear Shock Strut Check (In-Service), AMM TASK 12-15-02-610-809-002.
 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.

NOTE: The nose landing gear lock actuator can cause this problem.

———— **END OF TASK** ————

823. Gear Indication - Fault Isolation

A. Description

EICAS message "GEAR INDICATION SYS" shows without correlated maintenance message.

B. Possible Causes

- (1) EICAS message "GEAR INDICATION SYS" possible causes:
 - (a) Both NLG Not Compressed Sensors fail (sensor/channel fault)
 - (b) The NLG Not Compressed from PSEU 1 and NLG Not Compressed from PSEU 2 disagree
 - (c) Main Landing Gear Lock Status on one or more of the main gear braces disagree for more than 5 seconds.

C. Initial Evaluation

- (1) Do the EICAS Message Latched by AIMS - Fault Isolation, 32-98 TASK 803
 - (a) If the MAT shows ACTIVE for any maintenance messages, then do the applicable FIM Task.
 - (b) If the EICAS message "GEAR INDICATION SYS" shows without any correlated Maintenance message, then do the fault isolation procedure below

D. Fault Isolation Procedure

- (1) You can erase the EICAS "GEAR INDICATION SYS" without further action, if both conditions apply:
 - (a) Make sure that there are no existing or latched CMC faults for ATA 31 AIMS related and ATA 32 maintenance messages in the FIM Fault Code Index.
 - (b) Do a check of the proximity sensors, do the test/measurement tasks: AMM PAGEBLOCK 32-61-01/201 and AMM PAGEBLOCK 32-61-02/201.
 - 1) Make sure that there are no anomalies.

———— **END OF TASK** ————

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801. CCA, Proximity (PSEU 1) Discrete Input Problems - Fault Isolation

A. Initial Evaluation

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

B. Fault Isolation Procedure

- (1) Do this check of the wiring (WDM 32-71-11):
 - (a) Remove PSEU 1, M32021, from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DM32010 from the tail strike assembly, M32010 (WDM 32-71-11).
 - (c) Do a wiring check between these pins of connector DM32010 at the tail strike assembly, M32010 and connector DM32021AB at the E1-5 shelf (WDM 32-71-11):

DM32010

pin 9

DM32021AB

pin K8

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect DM32010.
 - 3) Re-install the PSEU 1, M32021, in the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (e) If you do not find a problem with the wiring, then continue.
 - (f) Re-connect DM32010.
 - (g) Re-install the PSEU 1, M32021, in the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (2) Replace the circuit card assembly CCA, Proximity, A13 in the proximity sensor electronics unit (PSEU) 1, M32021.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the tail strike assembly, M32010.

These are the tasks:

Tail Strike Assembly Removal, AMM TASK 32-71-01-000-801,

Tail Strike Assembly Installation, AMM TASK 32-71-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance 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 PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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

————— **END OF TASK** —————

802. CCA, Proximity (PSEU 2) Discrete Input Problems - Fault Isolation

A. Initial Evaluation

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

B. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Proximity, A13 in the proximity sensor electronics unit (PSEU) 2, M32025.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring (WDM 32-71-11):
- (a) Remove PSEU 2, M32025, from the E4-1 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
- (b) Disconnect connector DM32010 from the tail strike assembly, M32010 (WDM 32-71-11).
- (c) Disconnect connector D21026P from the P210 panel (WDM 32-08-21).
- (d) Do a wiring check between these pins of connector DM32010 at the tail strike assembly, M32010 and connector DM32025AB at the E4-1 shelf (WDM 32-71-11):

DM32010

DM32025AB

pin 4 pin K8

- (e) Do a wiring check between these pins of connector DM32010 at the tail strike assembly, M32010 and connector D21026P at the P210 panel (WDM 32-08-11):

DM32010

D21026P

pin 11 pin 7

- (f) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
- 2) Re-connect DM32010.
- 3) Re-connect D21026P.

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- 4) Re-install the PSEU 2, M32025, in the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (g) If you do not find a problem with the wiring, then continue.
- (h) Re-connect DM32010.
- (i) Re-connect D21026P.
- (j) Re-install the PSEU 2, M32025, in the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (3) Replace the tail strike assembly, M32010.
These are the tasks:
Tail Strike Assembly Removal, AMM TASK 32-71-01-000-801,
Tail Strike Assembly Installation, AMM TASK 32-71-01-400-801.- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the PSEU 2, M32025.
These are the tasks:
Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.- (a) 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. Circuit Breaker (PSEU 1 Pri Pwr) in P110 Problems - Fault Isolation

A. Initial Evaluation

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

B. Fault Isolation Procedure

- (1) Open the P110 left power management panel in the main equipment center.
- (2) Do a check for 28 VDC at the load terminal of circuit breaker C32600 (WDM 32-08-11).- (a) If there is not 28 VDC at the load terminal of the circuit breaker, then do this step (WDM 32-08-11):
 - 1) Replace this circuit breaker:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
H	26	C32600	PSEU 1 PRI PWR

- 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 there is 28 VDC at the load terminal of the circuit breaker, then do this step:
 - 1) Repair the wiring between the pin 9 of connector D11026P at the P110 panel and terminal A09 of resistor R32110 at the terminal block TB1201RQ.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Close the P110 left power management panel in the main equipment center.

————— **END OF TASK** —————

804. Circuit Breaker (PSEU 2 Pri Pwr) in P210 Problems - Fault Isolation

A. Initial Evaluation

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

B. Fault Isolation Procedure

- (1) Open the P210 right power management panel in the main equipment center.
- (2) Do a check for 28 VDC at the load terminal of circuit breaker C32601 (WDM 32-08-21).
 - (a) If there is not 28 VDC at the load terminal of the circuit breaker, then do these steps:
 - 1) Replace this circuit breaker:

Right Power Management Panel, P210

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
L	13	C32601	PSEU 2 PRI PWR

- a) 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 the load terminal of the circuit breaker, then do these steps:
 - 1) Repair the wiring between the pin 7 of connector D21026P at the P210 panel and terminal A13 of resistor R32111 at the terminal block TB4004RQ.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Close the P210 right power management panel in the main equipment center.

————— **END OF TASK** —————

805. Tail Strike Assembly (PSEU 1) Problems - Fault Isolation

A. Initial Evaluation

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

B. Fault Isolation Procedure

- (1) Examine the tail strike blade assembly for any damage.
 - (a) If there is damage, then replace the tail strike blade assembly.

These are the tasks:

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Tail Strike Assembly Removal, AMM TASK 32-71-01-000-801,
Tail Strike Assembly Installation, AMM TASK 32-71-01-400-801.

- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (c) If there is no damage and the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring (WDM 32-71-11):
- (a) Disconnect connector DM32010 from the tail strike assembly, M32010.
 - (b) Do a wiring check between these pins 9 and 7 of connector DM32010 on the tail strike assembly, M32010:
NOTE: Resistance values between the pins should be 0.9 +/-0.2 ohms.
 - (c) If you find a problem with the wiring, then do these steps:
 - 1) Replace the tail strike assembly, M32010.
These are the tasks:
Tail Strike Assembly Removal, AMM TASK 32-71-01-000-801,
Tail Strike Assembly Installation, AMM TASK 32-71-01-400-801.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (d) If you do not find a problem with the wiring, then continue.
- (3) Do this check of the wiring (WDM 32-71-11):
- (a) Do a check for 28 VDC at terminal A09 of the resistor R32110.
 - (b) If there is not 28 VDC at terminal A09 of the resistor, then do these steps:
 - 1) Do a check for 28 VDC at the load terminal of circuit breaker C32600.
 - 2) If there is not 28 VDC at the circuit breaker, then do these steps:
 - a) Replace this circuit breaker:
Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
H	26	C32600	PSEU 1 PRI PWR
 - b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 3) If there is 28 VDC at the circuit breaker, then do these steps:
 - a) Repair the wiring between resistor R32110 at the terminal block, TB1201RQ and load terminal 2 of circuit breaker, C32600 (WDM 32-71-11).

TB1201RQ	C32600
terminal A09	terminal 2
 - 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 28 VDC at terminal A09 of the resistor, then do these steps:
 - 1) Measure the resistance between term A09 and term B09 of the resistor R32110 on the E1-2 shelf (WDM 32-71-11).

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- 2) If the resistance is not 4300 ohms, then do these steps:
 - a) Replace the resistor, R32110.
 - b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 3) If the resistance is 4300 ohms, then continue.
- (4) Do this check of the wiring (WDM 32-71-11):
 - (a) Disconnect connector DM32010 from the tail strike assembly, M32010.
 - (b) Do a wiring check between these pins of connector DM32010 at the tail strike assembly, M32010 and resistor R32110 at the terminal block, TB1201RQ:

DM32010	TB1201RQ
pin 7	terminal B09
 - (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect DM32010.
 - 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.
 - 1) Re-connect DM32010.
- (5) Do this check of the wiring (WDM 32-71-11):
 - (a) Remove the PSEU 1, M32021, from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DM32010 from the tail strike assembly, M32010.
 - (c) Do a wiring check between these pins of connector DM32010 at the tail strike assembly, M32010 and connector DM32021AB at the E1-5 shelf:

DM32010	DM32021AB
pin 9	pin K8
 - (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect DM32010.
 - 3) Re-install the PSEU 1, M32021, in the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (e) If you do not find a problem with the wiring, then continue.
 - 1) Re-connect DM32010.
 - 2) Re-install the PSEU 1, M32021, in the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (6) Replace the circuit card assembly CCA, Proximity, A13 in the proximity sensor electronics unit (PSEU) 1, M32021.

These are the tasks:

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PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (7) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. CCA, Proximity (PSEU 1) 28 VDC Short to Discrete Problems - Fault Isolation

A. Initial Evaluation

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

B. Fault Isolation Procedure

- (1) Measure the resistance between terminal A09 and terminal B09 of resistor R32110 on the E1-2 shelf (WDM 32-08-11) (WDM 32-71-11).
- (2) If the resistance is not 4300 ohms, then do these steps:
 - (a) Replace the resistor, R32110 (WDM 32-08-11).
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) If the resistance is 4300 ohms, then continue.
- (4) Do this check of the wiring (WDM 32-71-11):
 - (a) Do a wiring check between these pins of connector DM32010 at the tail strike assembly, M32010 and resistor R32110 at the terminal block, TB1201RQ:

DM32010	TB1201RQ
pin 7	term B09

- (b) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (5) Replace the tail strike assembly, M32010.

These are the tasks:

Tail Strike Assembly Removal, AMM TASK 32-71-01-000-801,
Tail Strike Assembly Installation, AMM TASK 32-71-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the circuit card assembly CCA, Proximity, A13 in the proximity sensor electronics unit (PSEU) 1, M32021.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (7) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. Tail Strike Assembly (PSEU 2) Problems - Fault Isolation

A. Circuit Breakers

- (1) This is the primary circuit breaker related to the fault:

Right Power Management Panel, P210

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
L	13	C32601	PSEU 2 PRI PWR

B. Related Data

- (1) WDM 32-71-11

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

- (1) Do this check of the wiring (WDM 32-71-11):
 - (a) Remove the Tail Strike Assembly, M32010. To remove it, do this task: Tail Strike Assembly Removal, AMM TASK 32-71-01-000-801.
 - (b) On the Tail Strike Assembly, M32010, on Connector DM32010, do a wiring check between these pins 4 and 11:
NOTE: Resistance values between the pins should be $0.9 \pm 0.2 \Omega$.
 - (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.

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- 2) Re-install the Tail Strike Assembly, M32010. To install it, do this task: Tail Strike Assembly Installation, AMM TASK 32-71-01-400-801.
- 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.
- (2) Replace the Tail Strike Assembly, M32010. These are the tasks:
 - Tail Strike Assembly Removal, AMM TASK 32-71-01-000-801
 - Tail Strike Assembly Installation, AMM TASK 32-71-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 (WDM 32-71-11):
 - (a) Do a check for 28 VDC at the Resistor R32111, at Terminal A13.
 - (b) If there is not 28 VDC at the Resistor R32111, at Terminal A13, then do these steps:
 - 1) Do a check for 28 VDC at the Circuit Breaker C32601, at the Load Terminal.
 - 2) If there is not 28 VDC at the Circuit Breaker, then do these steps:
 - a) Replace this circuit breaker:
Right Power Management Panel, P210

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
L	13	C32601	PSEU 2 PRI PWR
- (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 3) If there is 28 VDC at the Circuit Breaker, then do these steps:
 - a) Repair the wiring between Resistor R32111 at the Terminal Block, TB4004RQ and Circuit Breaker, C32601, at the Load Terminal 2 (WDM 32-71-11).

TB4004RQ	C32601
terminal A13	terminal 2
- (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 28 VDC at the Resistor, at Terminal A13, then do these steps:
 - 1) Measure the resistance on the right P205 Integration Panel, at the Resistor R32111 between Terminal A13 and Terminal B13 (WDM 32-71-11).
 - 2) If the resistance is not 4300 Ω , then do these steps:
 - a) Replace the Resistor, R32111.
 - b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 3) If the resistance is 4300 Ω , then continue.
- (4) In the Proximity Sensor Electronics Unit (PSEU) 2, replace the Central Control Actuator (CCA), Proximity, A13. These are the tasks:
 - PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801

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- PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (5) Replace the PSEU 2, M32025. These are the tasks:
 - Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801
 - Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (a) 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. CCA, Proximity (PSEU 2) 28 VDC Short to Discrete Problems - Fault Isolation

A. Initial Evaluation

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

B. Fault Isolation Procedure

- (1) Measure the resistance between terminal A13 and terminal B13 of resistor R32111 on the P205 panel (WDM 32-08-21) (WDM 32-71-11).
- (2) If the resistance is not 4300 ohms, then do these steps:
 - (a) Replace the resistor, R32111 (WDM 32-08-21).
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) If the resistance is 4300 ohms, then continue.
- (4) Do this check of the wiring (WDM 32-71-11):
 - (a) Do a wiring check between these pins of connector DM32010 at the tail strike assembly, M32010 and resistor R32111 at the terminal block, TB4004RQ:

DM32010

TB4004RQ

pin 11 terminal B13

- (b) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (5) Replace the tail strike assembly, M32010.

These are the tasks:

Tail Strike Assembly Removal, AMM TASK 32-71-01-000-801,

Tail Strike Assembly Installation, AMM TASK 32-71-01-400-801.

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

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- (6) Replace the circuit card assembly CCA, Proximity, A13 in the proximity sensor electronics unit (PSEU) 2, M32025.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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

- (7) Replace the PSEU 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. CCA, Prox Driver (PSEU 1) Discrete Input Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-71820.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 (WDM 32-71-11):
 - (a) Remove PSEU 1, M32021, from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DM32010 from the tail strike assembly, M32010 (WDM 32-71-11).
 - (c) Do a wiring check between these pins of connector DM32010 at the tail strike assembly, M32010 and connector DM32021AB at the E1-5 shelf (WDM 32-71-11):

DM32010

pin 9

DM32021AB

pin K8

- (d) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect DM32010.
 - 3) Re-install the PSEU 1, M32021, in the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
- (f) Re-connect DM32010.
- (g) Re-install the PSEU 1, M32021, in the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (2) Replace the circuit card assembly CCA, Prox Driver, B07 in the proximity sensor electronics unit (PSEU) 1, M32021.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the tail strike assembly, M32010.

These are the tasks:

Tail Strike Assembly Removal, AMM TASK 32-71-01-000-801,

Tail Strike Assembly Installation, AMM TASK 32-71-01-400-801.

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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 PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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

————— **END OF TASK** —————

802. CCA, Proximity (PSEU 2) Discrete Input Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-72720.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Replace the circuit card assembly CCA, Prox Driver, B07 in the proximity sensor electronics unit (PSEU) 2, M32025.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring (WDM 32-71-11):
 - (a) Remove PSEU 2, M32025, from the E4-1 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DM32010 from the tail strike assembly, M32010 (WDM 32-71-11).
 - (c) Disconnect connector D21026P from the P210 panel (WDM 32-08-21).
 - (d) Do a wiring check between these pins of connector DM32010 at the tail strike assembly, M32010 and connector DM32025AB at the E4-1 shelf (WDM 32-71-11):

DM32010

pin 4

DM32025AB

pin K8

- (e) Do a wiring check between these pins of connector DM32010 at the tail strike assembly, M32010 and connector D21026P at the P210 panel (WDM 32-08-11):

DM32010

pin 11

D21026P

pin 7

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- (f) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect DM32010.
 - 3) Re-connect D21026P.
 - 4) Re-install the PSEU 2, M32025, in the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 5) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (g) If you do not find a problem with the wiring, then continue.
 - (h) Re-connect DM32010.
 - (i) Re-connect D21026P.
 - (j) Re-install the PSEU 2, M32025, in the E4-1 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (3) Replace the tail strike assembly, M32010.
- These are the tasks:
- Tail Strike Assembly Removal, AMM TASK 32-71-01-000-801,
Tail Strike Assembly Installation, AMM TASK 32-71-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the PSEU 2, M32025.
- These are the tasks:
- Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (a) 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. Circuit Breaker (PSEU 1 Pri Pwr) in P110 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-73380, 32-73420.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Open the P110 left power management panel in the main equipment center.
- (2) Do a check for 28 VDC at the load terminal of circuit breaker C32600 (WDM 32-08-11).
 - (a) If there is not 28 VDC at the load terminal of the circuit breaker, then do this step (WDM 32-08-11):

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- 1) Replace this circuit breaker:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
H	26	C32600	PSEU 1 PRI PWR

- a) 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 the load terminal of the circuit breaker, then do this step:
 - 1) Repair the wiring between the pin 9 of connector D11026P at the P110 panel and terminal A09 of resistor R32110 at the terminal block TB1201RQ.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Close the P110 left power management panel in the main equipment center.

————— END OF TASK —————

804. Circuit Breaker (PSEU 2 Pri Pwr) in P210 Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-73390, 32-73430.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Open the P210 right power management panel in the main equipment center.
- (2) Do a check for 28 VDC at the load terminal of circuit breaker C32601 (WDM 32-08-21).
 - (a) If there is not 28 VDC at the load terminal of the circuit breaker, then do these steps:
 - 1) Replace this circuit breaker:

Right Power Management Panel, P210

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
L	13	C32601	PSEU 2 PRI PWR

- a) 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 the load terminal of the circuit breaker, then do these steps:
 - 1) Repair the wiring between the pin 7 of connector D21026P at the P210 panel and terminal A13 of resistor R32111 at the terminal block TB4004RQ.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) Close the P210 right power management panel in the main equipment center.

————— END OF TASK —————

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805. Tail Strike Assembly (PSEU 1) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-73400.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 the tail strike blade assembly for any damage.
 - (a) If there is damage, then replace the tail strike blade assembly.

These are the tasks:
Tail Strike Assembly Removal, AMM TASK 32-71-01-000-801,
Tail Strike Assembly Installation, AMM TASK 32-71-01-400-801.
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (c) If there is no damage and the MAT shows ACTIVE for the maintenance message, then continue.
- (2) Do this check of the wiring (WDM 32-71-11):
 - (a) Disconnect connector DM32010 from the tail strike assembly, M32010 .
 - (b) Do a wiring check between these pins 9 and 7 of connector DM32010 on the tail strike assembly, M32010:
 - (c) If you find a problem with the wiring, then do these steps:
 - 1) Replace the tail strike assembly, M32010.

These are the tasks:
Tail Strike Assembly Removal, AMM TASK 32-71-01-000-801,
Tail Strike Assembly Installation, AMM TASK 32-71-01-400-801.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (d) If you do not find a problem with the wiring, then continue.
- (3) Do this check of the wiring (WDM 32-71-11):
 - (a) Do a check for 28 VDC at the terminal A09 of the resistor R32110 .
 - (b) If there is not 28 VDC at terminal A09 of the resistor, then do these steps:
 - 1) Do a check for 28 VDC at the load terminal of circuit breaker C32600.
 - 2) If there is not 28 VDC at the circuit breaker, then do these steps:
 - a) Replace this circuit breaker:

Left Power Management Panel, P110

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
H	26	C32600	PSEU 1 PRI PWR

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- b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- 3) If there is 28 VDC at the circuit breaker, then do these steps:
 - a) Repair the wiring between resistor R32110 at the terminal block, TB1201RQ and load terminal 2 of circuit breaker, C32600 (WDM 32-71-11).

TB1201RQ	C32600
terminal A09	terminal 2
 - 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 28 VDC at term A09 of the resistor, then do these steps:
 - 1) Measure the resistance between terminal A09 and terminal B09 of the resistor R32110 on the E1-2 shelf (WDM 32-71-11).
 - 2) If the resistance is not 4300 ohms, then do these steps:
 - a) Replace the resistor, R32110.
 - b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - 3) If the resistance is 4300 ohms, then continue.
- (4) Do this check of the wiring (WDM 32-71-11):
 - (a) Disconnect connector DM32010 from the tail strike assembly, M32010 .
 - (b) Do a wiring check between these pins of connector DM32010 at the tail strike assembly, M32010 and resistor R32110 at the terminal block, TB1201RQ:

DM32010	TB1201RQ
pin 7	terminal B09
 - (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect DM32010.
 - 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.
 - 1) Re-connect DM32010.
- (5) Do this check of the wiring (WDM 32-71-11):
 - (a) Remove the PSEU 1, M32021, from the E1-5 shelf. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) Disconnect connector DM32010 from the tail strike assembly, M32010.
 - (c) Do a wiring check between these pins of connector DM32010 at the tail strike assembly, M32010 and connector DM32021AB at the E1-5 shelf:

DM32010	DM32021AB
pin 9	pin K8
 - (d) If you find a problem with the wiring, then do these steps:

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- 1) Repair the wiring.
- 2) Re-connect DM32010.
- 3) Re-install the PSEU 1, M32021, in the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (e) If you do not find a problem with the wiring, then continue.
 - 1) Re-connect DM32010.
 - 2) Re-install the PSEU 1, M32021, in the E1-5 shelf. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (6) Replace the circuit card assembly CCA, Prox Driver, B07 in the proximity sensor electronics unit (PSEU) 1, M32021.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

 - (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
 - (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (7) Replace the PSEU 1, M32021.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

 - (a) 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. CCA, Prox Driver (PSEU 1) 28 VDC Short to Discrete Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-73410.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Measure the resistance between terminal A09 and terminal B09 of resistor R32110 on the E1-2 shelf (WDM 32-08-11) (WDM 32-71-11).
- (2) If the resistance is not 4300 ohms, then do these steps:
 - (a) Replace the resistor, R32110 (WDM 32-08-11).
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) If the resistance is 4300 ohms, then continue.

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- (4) Do this check of the wiring (WDM 32-71-11):
- (a) Do a wiring check between these pins of connector DM32010 at the tail strike assembly, M32010 and resistor R32110 at the terminal block, TB1201RQ :
- | DM32010 | TB1201RQ |
|-----------------|--------------|
| pin 7 | terminal B09 |
- (b) If you find a problem with the wiring, then do these steps:
- 1) Repair the wiring.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (5) Replace the tail strike assembly, M32010.
- These are the tasks:
- Tail Strike Assembly Removal, AMM TASK 32-71-01-000-801,
Tail Strike Assembly Installation, AMM TASK 32-71-01-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance 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 circuit card assembly CCA, Prox Driver, B07 in the proximity sensor electronics unit (PSEU) 1, M32021.
- These are the tasks:
- PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,
PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.
- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (7) Replace the PSEU 1, M32021.
- These are the tasks:
- Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,
Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
- (a) 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. Tail Strike Assembly (PSEU 2) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-73440.

B. Initial Evaluation

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

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C. Fault Isolation Procedure

- (1) Do this check of the wiring (WDM 32-71-11):
 - (a) Remove the tail strike assembly, M32010. To remove it, do this task: Tail Strike Assembly Removal, AMM TASK 32-71-01-000-801.
 - (b) Do a wiring check between these pins 4 and 11 of connector DM32010 at the tail strike assembly, M32010 (WDM 32-71-11):
 - (c) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-install the tail strike assembly, M32010. To install it, do this task: Tail Strike Assembly Installation, AMM TASK 32-71-01-400-801.
 - 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.

- (2) Replace the tail strike assembly, M32010.

These are the tasks:

Tail Strike Assembly Removal, AMM TASK 32-71-01-000-801,

Tail Strike Assembly Installation, AMM TASK 32-71-01-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (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 (WDM 32-71-11):
 - (a) Do a check for 28 VDC at the load terminal of circuit breaker C32601 .
 - (b) If there is not 28 VDC at the circuit breaker, then do these steps:
 - 1) Replace this circuit breaker:

Right Power Management Panel, P210

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
L	13	C32601	PSEU 2 PRI PWR

- 2) 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 28 VDC at the circuit breaker, then do these steps:
 - 1) Repair the wiring between these pins of connector D21026P at the P210 panel and connector DM32025AF of the PSEU 2, M32025.

D21026P	DM32025AF
pin 7	pin 29

- 2) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the circuit card assembly CCA, Prox Driver, B07 in the proximity sensor electronics unit (PSEU) 2, M32025.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

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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 PSEU 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

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

————— **END OF TASK** —————

808. CCA, Prox Driver (PSEU 2) 28 VDC Short to Discrete Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance message: 32-73450.

B. Initial Evaluation

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

C. Fault Isolation Procedure

- (1) Measure the resistance between terminal A13 and terminal B13 of resistor R32111 on the P205 panel (WDM 32-08-21) (WDM 32-71-11).
- (2) If the resistance is not 4300 ohms, then do these steps:
 - (a) Replace the resistor, R32111 (WDM 32-08-21).
 - (b) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (3) If the resistance is 4300 ohms, then continue.
- (4) Do this check of the wiring (WDM 32-71-11):
 - (a) Do a wiring check between these pins of connector DM32010 at the tail strike assembly, M32010 and resistor R32111 at the terminal block, TB4004RQ:

DM32010

TB4004RQ

pin 11 terminal B13

- (b) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (5) Replace the tail strike assembly, M32010.

These are the tasks:

Tail Strike Assembly Removal, AMM TASK 32-71-01-000-801,

Tail Strike Assembly Installation, AMM TASK 32-71-01-400-801.

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- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (6) Replace the circuit card assembly CCA, Prox Driver, B07 in the proximity sensor electronics unit (PSEU) 2, M32025.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (7) Replace the PSEU 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. Tail Skid Proximity Sensor (PSEU 2) Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-72712, 32-72714.

B. Initial Evaluation

- (1) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation 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 between the PSEU 2 and the connector for the applicable proximity sensor:
 - (a) Remove the PSEU 2, M32025. To remove it, do this task: Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801.
 - (b) In the table below, find the electrical connector and the two pairs of pins for the applicable proximity sensor (WDM 32-71-21).

Table 201/32-74-00-993-801 Tail Skid

MESSAGE NUMBER	SENSOR	EQUIP NUMBER	DM32025AB (PSEU CONN)		DS32XXX (SNSR CONN)
32-72712	DOWN	S32035	pin H7	-----	pin 2
			pin H8	-----	pin 3
32-72714	UP	S32037	pin G7	-----	pin 2
			pin G8	-----	pin 3

- (c) Disconnect the connector from the applicable proximity sensor.
- (d) Do a wiring check between the pairs of pins of connector DM32025AB at the E4-1 shelf and the connector at the applicable proximity sensor.
- (e) If you find a problem with the wiring, then do these steps:
 - 1) Repair the wiring.
 - 2) Re-connect the connector to the applicable proximity sensor.
 - 3) Re-install the PSEU 2, M32025. To install it, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 4) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (f) If you do not find a problem with the wiring, then do these steps:
 - 1) Re-install the PSEU 2, M32025, to the E4-1 shelf. To install the PSEU 2, do this task: Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.
 - 2) Continue with the procedure.
- (2) Replace the applicable tail skid proximity sensor.

These are the tasks:

Tail Skid Proximity Sensor Removal, AMM TASK 32-72-10-000-801,



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Tail Skid Proximity Sensor Installation, AMM TASK 32-72-10-400-801.

NOTE: For message 32-72712, S32035 - Taid skid down sensor;

For message 32-72714, S32037 - Taid skid up sensor.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (3) Replace the circuit card assembly CCA, Prox Driver, B07 in PSEU 2.

These are the tasks:

PSEU Circuit Card Removal, AMM TASK 32-08-02-000-801,

PSEU Circuit Card Installation, AMM TASK 32-08-02-400-801.

- (a) If the MAT shows NOT ACTIVE for the maintenance message (or if the message does not show), you corrected the fault.
- (b) If the MAT shows ACTIVE for the maintenance message, then continue.
- (4) Replace the PSEU 2, M32025.

These are the tasks:

Proximity Sensor Electronics Unit Removal, AMM TASK 32-08-01-000-801,

Proximity Sensor Electronics Unit Installation, AMM TASK 32-08-01-400-801.

- (a) 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. Tail Skid Sensor (PSEU 2) Target Problems - Fault Isolation

A. Maintenance Messages

- (1) This task is for maintenance messages: 32-72882, 32-72884.

B. Initial Evaluation

- (1) Do a test of the tail skid operation. To do this, do this task: Tail Skid System Operational Test, AMM TASK 32-72-00-000-801.
 - (a) If the tail skid does not operate correctly, then, do this task: Tail Skid Does Not Extend or Retract - Fault Isolation, 32-74 TASK 804.
 - (b) If the tail skid operates correctly, then continue.
- (2) If the MAT shows ACTIVE for the maintenance message, then do the Fault Isolation Procedure below.
- (3) If the MAT shows NOT ACTIVE for the maintenance message, then there was an intermittent fault.

C. Fault Isolation Procedure

- (1) Do this check of the applicable target:
 - (a) Look for any damage of the target near the sensor.
 - 1) If there is damage of the target, then replace the target.
 - (b) Measure and adjust the target. To measure/adjust the target, do this task: Measure and Adjust the Clearance for the Proximity Sensor on the Tail Skid, AMM TASK 32-72-10-820-801.

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

— END OF TASK —

804. Tail Skid Does Not Extend or Retract - Fault Isolation

A. Initial Evaluation

- (1) Do a test of the tail skid operation. To do this, do this task: Tail Skid System Operational Test, AMM TASK 32-72-00-000-801.
- (a) If the tail skid does not operate correctly, then do the Fault Isolation Procedure below.
- (b) If the tail skid operates correctly, then there was an intermittent fault.

B. Fault Isolation Procedure

- (1) Do these tasks to do a check of the tail skid for ground contact:
- (a) Do this task: Tail Skid Shock Absorber/Crushable Cartridge - Inspection/Check, AMM TASK 32-72-01-200-801.
- (b) Do this task: Tail Skid Drag Shoe Visual Check, AMM TASK 32-72-01-900-802.
- (c) Do this task: Tail Skid Drag Shoe Inspection, AMM TASK 32-72-01-900-801.
- (d) If there is evidence of ground contact, then repair any damage.
- (e) If there is no evidence of ground contact, then continue.
- (2) Inspect the tail skid links for damage.
- (a) If a aft link is damaged, then replace the aft link.
- These are the tasks:
- Tail Skid Aft Link Removal, AMM TASK 32-72-05-000-801,
Tail Skid Aft Link Installation, AMM TASK 32-72-05-400-801.
- (b) If a lock link is damaged, then replace the lock link.
- These are the tasks:
- Tail Skid Lock Link Removal, AMM TASK 32-72-05-000-802,
Tail Skid Lock Link Installation, AMM TASK 32-72-05-400-802.
- (c) If the links are not damaged, then continue.
- (3) Inspect the tail skid actuator for damage or leaks.
- (a) If the actuator is damaged or is leaking, then replace the actuator.
- These are the tasks:
- Tail Skid Hydraulic Actuator Removal, AMM TASK 32-72-04-000-801,
Tail Skid Hydraulic Actuator Installation, AMM TASK 32-72-04-400-801.
- (b) If the actuator is not damaged, then continue.
- (4) Do this check of the tail skid actuator.
- (a) Do the actuator bleeding procedure to make sure that the actuator is receiving hydraulic fluid. To do this, do this task: Tail Skid System Bleeding, AMM TASK 32-72-00-000-802.
- (b) If the actuator is receiving hydraulic fluid, then replace the actuator.
- These are the tasks:
- Tail Skid Hydraulic Actuator Removal, AMM TASK 32-72-04-000-801,



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Tail Skid Hydraulic Actuator Installation, AMM TASK 32-72-04-400-801.

- (c) If the problem continues, then do a check of the hydraulic system between the main landing gear selector bypass valve and the tail skid actuator.

———— **END OF TASK** ————

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801. PSEU Shows an ARINC 629 Bus Problem of the Opposite PSEU - Fault Isolation

A. Description

- (1) These maintenance messages indicate that the Local Proximity Sensor Electronics Unit (PSEU) received invalid parameters from the opposite PSEU at its ARINC 629 Bus for more than 3 seconds.
 - (a) 32-11123: PSEU 1 received invalid parameters from PSEU 2 at its Left ARINC 629 Bus.
 - (b) 32-11124: PSEU 1 received invalid parameters from PSEU 2 at its Right ARINC 629 Bus.
 - (c) 32-11125: PSEU 2 received invalid parameters from PSEU 1 at its Left ARINC 629 Bus
 - (d) 32-11126: PSEU 2 received invalid parameters from PSEU 1 at its Right ARINC 629 Bus
- (2) The receiving PSEU will use the default values for the input upon failure annunciation. When the parameters become correct again, the maintenance message will go away.
- (3) These maintenance messages are actually for Boeing Engineering and the PSEU Vendor Engineering to give them visibility of "cross talk" failures that last for more than 3 seconds.

B. Possible Causes

- (1) Invalid Parameters on the Left (Right) ARINC Bus from the opposite PSEU for more than 3 seconds

C. Fault Isolation Procedure

- (1) No corrective action is necessary for these maintenance messages.
- (2) If a PSEU has a real problem, a different maintenance message will be annunciated.

————— 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.

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- (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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